# SERVICE MANUAL

## D-ILA PROJECTION TELEVISION

# HD-52G587,
# HD-61G587

| BASIC CHASSIS |
|---|
| RA2 |

[HD-52G857]

## TABLE OF CONTENTS

1 PRECAUTION . . . . . . . . . . 1-3
2 SPECIFIC SERVICE INSTRUCTIONS . . . . . . . . . . 1-7
3 DISASSEMBLY . . . . . . . . . . 1-10
4 ADJUSTMENT . . . . . . . . . . 1-26
5 TROUBLESHOOTING . . . . . . . . . . 1-34

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**No.YA399**
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# SPECIFICATION

| Items | | Contents | |
|---|---|---|---|
| | | HD-52G587 | HD-61G587 |
| Dimensions ( W × H × D ) | | 122.9 cm × 91.1 cm × 41.5 cm<br>(48-1/2" × 35-7/8" × 16-3/8") | 145.6 cm × 104.2 cm × 47.0 cm<br>(57-3/8" × 41-1/8" × 18-5/8") |
| Mass | | 38.0 kg (84 lbs) | 43 kg (95 lbs) |
| Video Forrmat | | SD (NTSC, 480i, 480p), HD (1080i, 720p) | |
| Power Input | | AC120 V, 60 Hz | |
| Power Consumption | | 180 W | |
| Projection Source | | 110 W High-pressure mercury lamp | |
| Projection Device | | D-ILA device (Reflection active matrix type LCD) x 3(R / G /B) | |
| Resolution | | Total=H:1312 × V:800 [ Effective =H:1280 × V:720 ] | |
| Screen | | Transparent screen (unitized fresnel lens / lenticular lens), aspect ratio 16:9 | |
| Screen Size | | 52" (132 cm) Measured diagonally<br>H:115.1 cm × V:64.8 cm | 61" (155 cm) Measured diagonally<br>H:135.0 cm × V:76.0cm |
| Audio Power Output | | 10 W + 10 W | |
| Speaker | | 10 cm round type × 2 (Oblique corn) | |
| Video / Audio Input<br>[INPUT-1/2/3/4] | Component Video<br>[INPUT-1/2] | RCA pin jack × 6 | |
| | 1125i / 750p | Y : 1 V (p-p) (Sync signal: 0.35V(p-p), 3-value sync.), 75 Ω<br>Pb/Pr : ±0.35V(p-p), 75 Ω | |
| | 525p / 525i | Y : 1 V (p-p), positive (Negative sync provided), 75 Ω<br>Pb/Pr : 0.7V(p-p), 75 Ω | |
| | S-Video | Mini-DIN 4 pin × 2 | |
| | [INPUT-1/3] | Y: 1V (p-p), positive (Negative sync provided), 75 Ω<br>C: 0.286 V (p-p) (Burst signal), 75 Ω | |
| | Video | 1 V (p-p), positive (Negative sync provided), 75 Ω, RCA pin jack × 4 | |
| | Audio | 500 mV (rms), high impedance, RCA pin jack × 8 | |
| PC (RGB) Input<br>[INPUT-3] | | D-sub 3-row 15pin × 1<br>R/G/B : 0.7V (p-p), 75 Ω<br>HD / VD : 1V (p-p) to 5V (p-p), high impedance<br>< Available signal ><br>VGA : 640 pixels × 480 pixels (Horizontal : 31.5 kHz / Vertical : 60 Hz)<br>XGA : 1024 pixels × 768 pixels (Horizontal : 48.4 kHz / Vertical : 60 Hz) | |
| Digital Input<br>[DIGITAL-IN] | Video | HDMI 2-row 19 pin connector × 1<br>(Digital-input terminal is not compatible with picture signals of personal computer) | |
| | Audio | Digital: HDMI 2-row 19 pin connector × 1<br>Anarog: 500 mV(rms) (-4dBs), high impedance, RCA pin jack × 2 | |
| Audio Output | | RCA pin jack × 2 | |
| | Fix | 500 mV(rms) (-4 dBs), low impedance (1000 Hz when modulated 100 %) | |
| Remote Control Unit | | RM-C1273G (AA/R6 / UM-3 battery × 2) | |

Design & specifications are subject to change without notice.

# SECTION 1
# PRECAUTION

## 1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by ( ⚠ ) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**

Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : ( ⊥ ) side GND, the ISOLATED (NEUTRAL) : ( ⏚ ) side GND and EARTH : ( ⊜ ) side GND.

Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.

(5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(6) **Isolation Check (Safety for Electrical Shock Hazard)**

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) **Dielectric Strength Test**

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)

This method of test requires a test equipment not generally found in the service trade.

b) **Leakage Current Check**

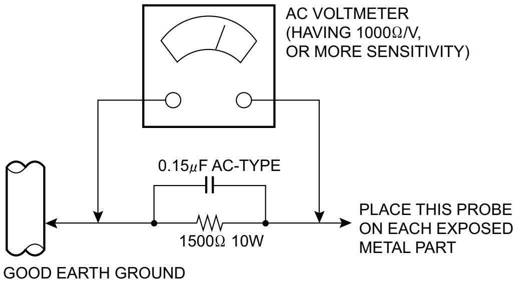
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

**Alternate Check Method**

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15µF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



## 1.2 INSTALLATION

### 1.2.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the predetermined level and power will be turned off automatically.

Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.

**Do not put foreign objects near the ventilation holes as this can result in fire or electrical hazards.**

**Do not block the ventilation holes as this may cause the internal temperature to rise and possibly result fire.**

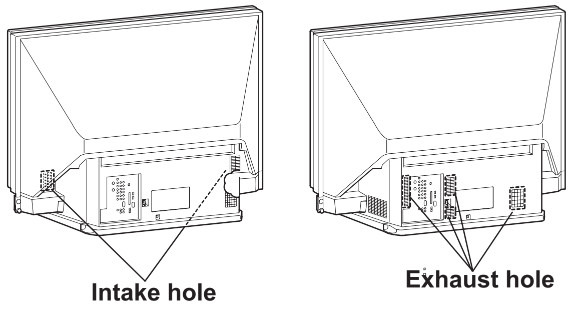


*Diagram differs from actual appearance.

### 1.2.2 INSTALLATION REQUIREMENTS

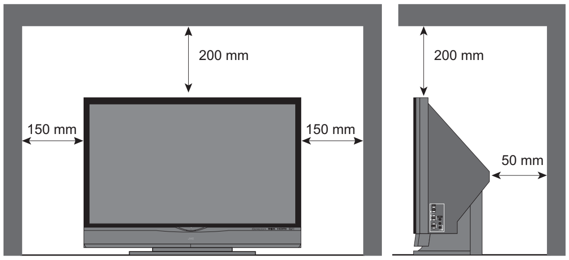
Ensure that the minimal distance is maintained, as specified fingure, between the unit with and the surrounding walls, as well as the floor etc.

Install the unit on stable flooring.

Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.

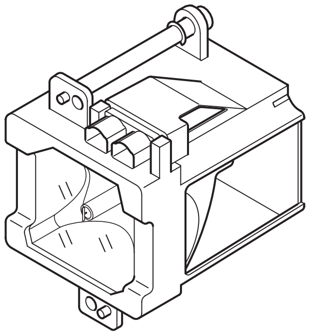
**CAUTION FOR INSTALLATION**

- Do not tilt the TV towards the left or right, or toward the back.
- Install the TV in a corner on the floor so as to keep cords out of the way.
- The TV will generate a slight amount of heat during operation. Ensure that sufficient space is available around the TV to allow satisfactory cooling.



## 1.3 LAMP UNIT HANDLING CAUTION

**LAMP UNIT : TS-CL110UAA**



### 1.3.1 PRECAUTION FOR LAMP UNIT

**The lamp emits high intensity white, ultraviolet and infrared light. Do not look directly at the light during service.**

**Also, do not touch the lamp directly as it presents a burn hazard.**

**Handle with extra care. This lamp emits high heat and contains high-pressure during use.**

**Do not give any impact as this may cause the broken lamp.**

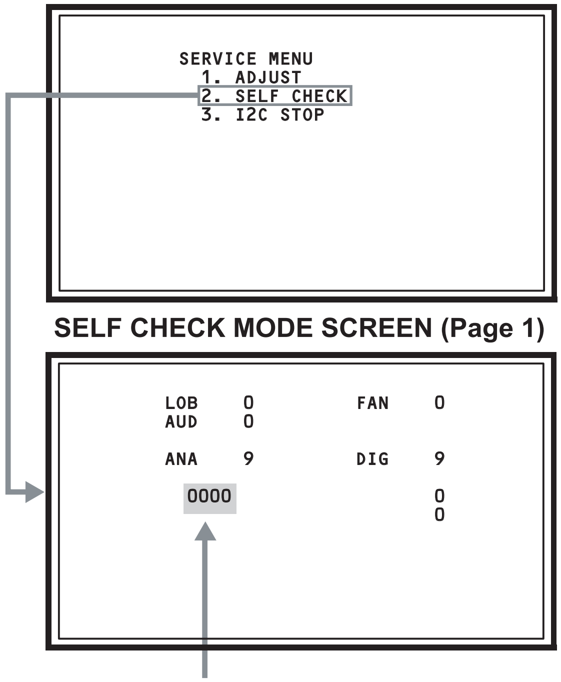
### 1.3.2 HOW TO CONFIRM LAMP OPERATING TIME

- MAXIMUM COUNT TIME= **65535 hours**

(1) Set to **"0 minutes"** using the **[SLEEP TIMER]** key.
(2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the SERVICE MODE.
(3) When the SERVICE MENU SCREEN is displayed, press **[2]** key to enter the SELF CHECK MODE.
(4) The use time of a lamp is displayed on middle of the screen by the hexadecimal number of 4 figures.

**SERVICE MENU SCREEN**

**SELF CHECK MODE SCREEN (Page 1)**



```
SERVICE MENU
  1. ADJUST
  2. SELF CHECK
  3. I2C STOP
```

```
LOB    0          FAN    0
AUD    0

ANA    9          DIG    9

   0000                  0
                         0
```

Lamp operation time (Hexadecimal)

**CALCULATION EXAMPLE OF LAMP USE TIME**

Ex. Display number=12EF

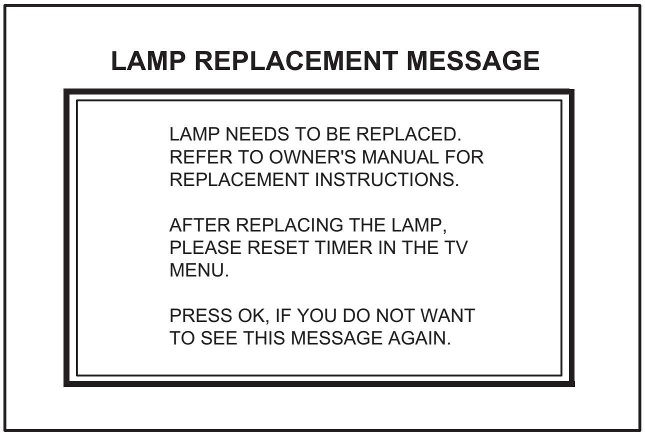
$1x16^{3}+2x16^{2}+Ex16+Fx1=1x4096+2x256+14x16+15=4847$ hours

### 1.3.3 LAMP UNIT REPLACEMENT

(1) The lamp replacement message will appear when need to change the lamp. After replace the lamp, need to reset the timer which is built into TV.
(2) Lamp use time can be check at the lamp message MENU. If lamp use time exceeds **5000 hours**, the message of Fig.1 will be displayed on a screen.
(3) If Fig.1 message appears when turn the TV on, need to replace the lamp.
(4) Use the lamp timer reset only after replacing the lamp.

**NOTE:**

- This message will appear every time turn on the TV, when the lamp needs to be replaced. Press the **[OK]** key to make the message disappear, or replace the lamp.



**LAMP REPLACEMENT MESSAGE**

LAMP NEEDS TO BE REPLACED.
REFER TO OWNER'S MANUAL FOR
REPLACEMENT INSTRUCTIONS.

AFTER REPLACING THE LAMP,
PLEASE RESET TIMER IN THE TV
MENU.

PRESS OK, IF YOU DO NOT WANT
TO SEE THIS MESSAGE AGAIN.

Fig.1

### 1.3.4 HOW TO REPLACE THE LAMP UNIT

- Refer to the "**USERS GUIDE**" for a detailed operating description.

(1) Turn off the TV power.
(2) After the LAMP LED light has stopped blinking, disconnect the power cord from the AC outlet.
(3) Loosen 1 screw then take out the lamp cover below the left side of the TV.
(4) Loosen 2 screws then take out the lamp unit.
(5) Install the new lamp unit.
(6) Re-install the lamp cover.

**NOTE:**

- After installing the new lamp unit, do not forget to reset the lamp timer.

### 1.3.5 HOW TO RESET THE LAMP TIMER

- Refer to the "**USERS GUIDE**" for a detailed operating description.

(1) Press the **[MENU]** key to select CLOCK / TIMERS.
(2) Select the **< LAMP TIMER RESET >** with **[▲]** / **[▼]** keys.
(3) Enter the **< LAMP TIMER RESET >** mode, the following message will appears.

**PRESS OK TO RESET THE LAMP TIMER**

(4) Press the **[OK]** key while the above message appears on the screen.
(5) The lamp timer has now been reset, and the following message will appear.

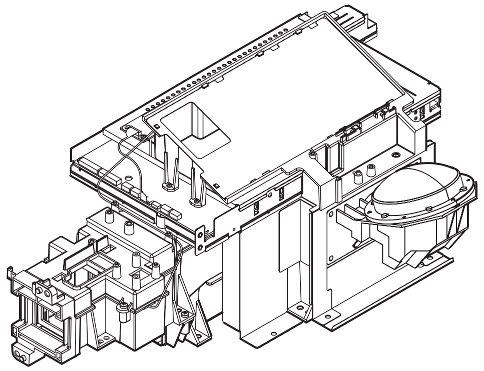
**THE LAMP TIMER IS RESET SUCCESSFULLY**

### 1.3.6 PRECAUTION FOR REPLACEMENT

- Do not replace the LAMP UNIT immediately after the projector has been used.
- The temperature of the LAMP UNIT is still high and could cause a burn.
- Allow a cooling period of 1 hour or more before performing replacement.
- Before starting LAMP UNIT replacement work, turn off the MAIN POWER switch, and disconnect the AC power cord plug from the wall outlet.
- If touched, the lamp glass surface may rupture and burns may result. Do not touch the glass portion or metal portion. Handle only plastic handle.
- The replaced old lamp can be discarded in the same manner as a fluorescent lamp. Check local ordinances and dispose of the used lamp as prescribed.

## 1.4 SERVICE PARTS KIT INSTRUCTIONS

**Due to the character of this product, these OPTICAL /DRIVE ASS'Y are prepared.**
**Please note these OPTICAL/DRIVE ASS'Y when replacing or ordering the parts.**



### 1.4.1 PART NUMBER AND CONSTRUCTION

| Kit parts number | Kit part name |
|---|---|
| TSCOP10A-SAA | OPTICAL / DRIVE ASS'Y |

### 1.4.2 OPTICAL / DRIVE ASS'Y CONSTRUCTION

(1) OPTICAL BLOCK
(Included D-ILA DEVICE, PROJECTION LENS)
(2) OPTICAL BASE
(3) DRIVE PWB ASS'Y
This PWB is mounted with 2 memory ICs saved with adjustment, setting data of the drive circuit.
(4) SHIELD COVER

*The following parts without the kits part.

- REMOTE SENSOR PWB ASS'Y
- LAMP UNIT
- LAMP FAN DUCT
- THERMOSTAT

### 1.4.3 PRECAUTION FOR USING

(1) In the case of the following defects/problems, replace this kit (OPTICAL/DRIVE ASS'Y)
  a) Picture defect caused by optical system/D-ILA device related parts.
  b) Picture defect caused by drive circuit.
(2) The DRIVE PWB ASS'Y is mounted with a memory IC [IC3741/IC3742] saved with adjustment/setting data(GAMMA, SHADING, etc.) of the drive circuit.
The data of this memory IC is in the optimal state according to individual D-ILA devices and each section of the OPTICAL BLOCK.
(3) When replace the DRIVE PWB ASS'Y, take off the 1 memory IC from the original board and replace with new one. When replace the DRIVE PWB ASS'Y, do same manner. Replace 1 memory IC.
(4) After the replacement of the OPTICAL BLOCK, projection lens focus adjustment and drive convergence / projection adjustment are required.

## 1.5 SCREEN HANDLING CAUTIONS

### 1.5.1 SCREEN STORAGE

Store the SCREEN ASS'Y in a standing position in order to avoid deformation. If the screen is stored horizontally, there is risk of deforming the screen face.
When necessary to place the SCREEN ASS'Y horizontally, position the screen side upwards and sure to place spacers between the screen and resting site (floor or stand etc.) to prevent the screen from sagging.

### 1.5.2 SCREEN SURFACE

Since the screen surface is easily scratched or soiled, use ample care when handling.

### 1.5.3 PRECAUTIONS FOR CLEANING AND REPLACEMENT

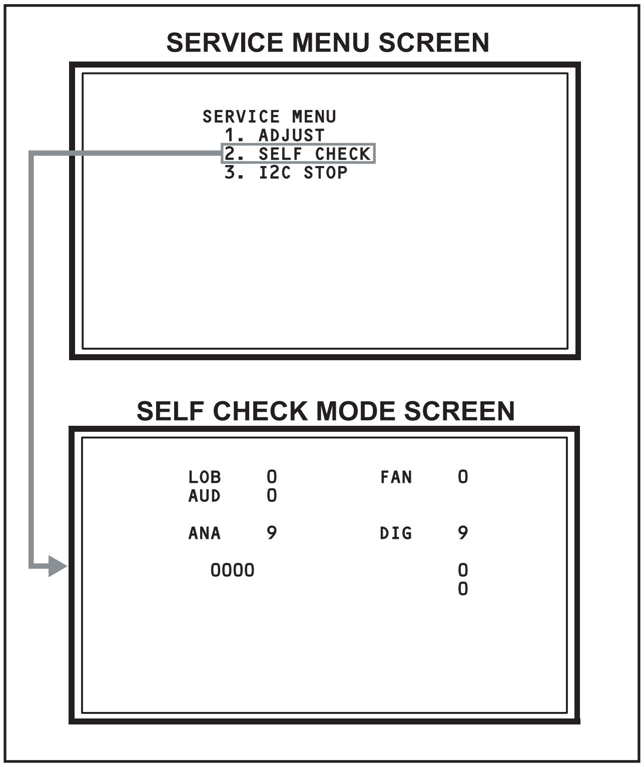
- The SCREEN ASS'Y is made from the lenticular lens and fresnel lens. The anti static proceeding and the surface of the lenticular lens. Rubbing the surface with something hard, the coating may peel off.
- When the screen is dirty, gently wipe it with a soft cloth.
  If the screen is very dirty, wipe it down with a cloth dipped in a diluted kitchen cleaner (neutrality detergent) and thoroughly wrung-out. Then wipe immediately after with clean, dry cloth.
  Never use the organic solvent such as the alcohol or benzine.
- The SCREEN ASS'Y replacement is required if the coating was peel off. Alkaline detergent or acidity detergent can not be be used.
- The notched side of the lenticular lens and the fresnel lens are faced each other.
- Do not rub the screen when cleaning it or replaceing it. Rubbing the screen may cause of the scratch of the screen by its notch.

# SECTION 2
# SPECIFIC SERVICE INSTRUCTIONS

## 2.1 SYSTEM SETTEING

**Be sure to carry out the following operation at the end of the procedure.**

(1) Set to **"0 minutes"** using the **[SLEEP TIMER]** key.
(2) While **"0 minutes"** is displayed, press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the SERVICE MODE.
(3) When the SERVICE MENU SCREEN is displayed, press **[2]** key to enter the self check mode.
(4) Turn off the power by pressing the **[POWER]** key on the remote control unit.



```
LOB   0         FAN   0
AUD   0

ANA   9         DIG   9

  0000                0
                      0
```

## 2.2 FEATURES

**D.I.S.T. (Digital Image Scaling Technology)**
This system uses line interpolation to double the number of scanning lines and achieve high resolution, flicker-free picture.

**SMART CAPTION**
Smart caption will appear when you press the MUTING button, only on channels where the broadcast contains CLOSED CAPTION information.

**VIDEO STATUS**
Expression of a favorite screen can be chosen by the VIDEO STATUS function.

**DIGITAL INPUT**
Digital-in will display when any picture signal in Digital-in is displayed.

**V-CHIP**
Since the V-CHIP is built in, it can choose, view and listen to a healthy program.

**MPEG Noise Reduction**
This function effects the block noise removal and mosquito NR simultaneously.

**NATURAL CINEMA**
Watching the movie or animation, press the Natural Cinema to adjust the out line of the images to make thin more sharp.

**VIDEO INPUT LABEL**
This function is used to label video input connections for the onscreen displays.

## 2.3 MAIN DIFFERENCE LIST

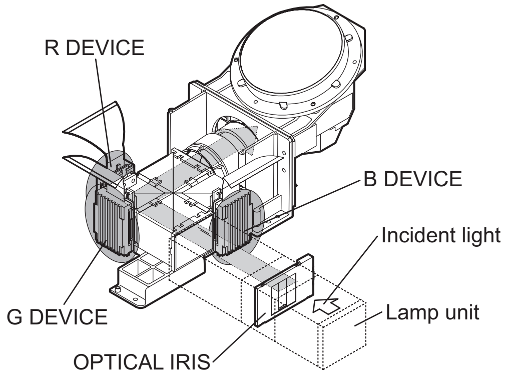
| Item | HD-52G587 | HD-61G587 |
|---|---|---|
| DIGITAL PWB | SRA0D024A-M2 | SRA0D023A-M2 |

## 2.4 TECHNICAL INFORMATION

### 2.4.1 D-ILA DEVICE SPECIFICATION

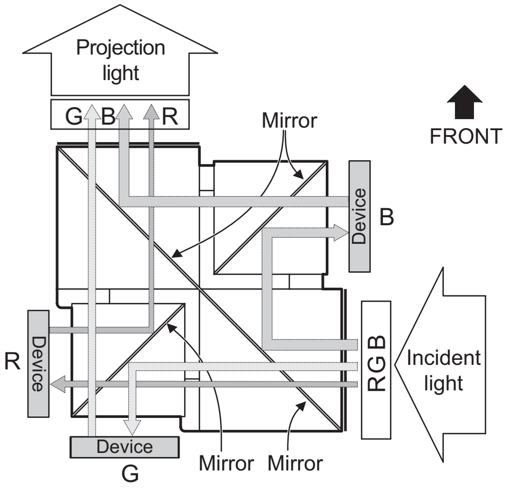
| Item | Content |
|---|---|
| Resolution | H: 1312 × V:800 |
| Pixel number | about 2123776 |
| Pixel size | H : 12.0μm × V :12.0μm |
| Aspect ratio | 16 : 9 |
| Contrast ratio | 1000 : 1 |
| Aperture ratio | 93% or more |
| Effective pixel measurement | 0.7 inch |

### 2.4.2 PROJECTION UNIT


R DEVICE
B DEVICE
Incident light
G DEVICE
Lamp unit
OPTICAL IRIS

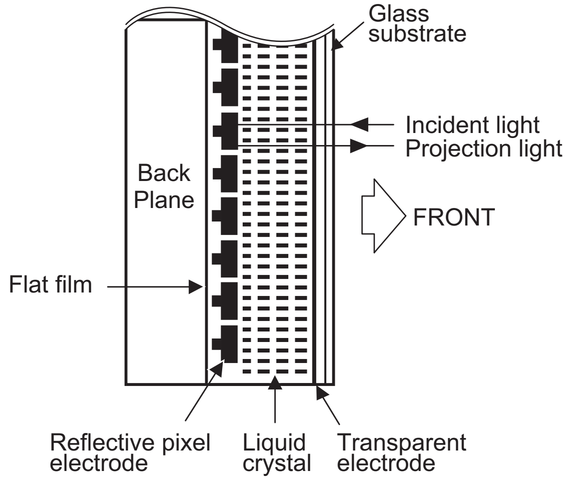
### 2.4.3 IMAGE LIGHT FLOW

**DEVICE UNIT SECTION (TOP VIEW)**

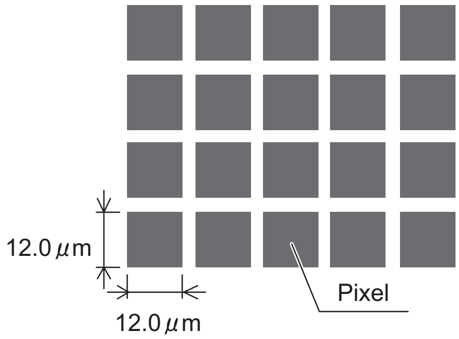

Projection light
G B R
Mirror
FRONT
Device
B
R
Device
RGB
Incident light
Device
G
Mirror
Mirror

### 2.4.4 D-ILA DEVICE STRUCTURE

**R / G / B DEVICE (SIDE VIEW)**


Glass substrate
Incident light
Projection light
Back Plane
FRONT
Flat film
Reflective pixel electrode
Liquid crystal
Transparent electrode

**PIXEL VIEW (FRONT VIEW)**


12.0 μm
12.0 μm
Pixel

## 2.4.5 MAIN CPU PIN FUNCTION [IC7601 : DIGITAL PWB ASS'Y]

| Pin | Pin name | I/O | Function | Pin | Pin name | I/O | Function |
|---|---|---|---|---|---|---|---|
| 1 | VHOLD1 | I | Data slice for main screen closed caption | 51 | NC | O | Not used |
| 2 | HFLT1 | I/O | LPF for main screen closed caption video input | 52 | NC | O | Not used |
| 3 | NC | O | Not used | 53 | NC | O | Not used |
| 4 | NC | O | Not used | 54 | NC | O | Not used |
| 5 | DIGR0 | O | R [0] for OSD | 55 | NC | O | Not used |
| 6 | TB1in | I | AC power for timer clock | 56 | NC | O | Not used |
| 7 | REMO | I | Remote control | 57 | NC | O | Not used |
| 8 | BYTE | I | Data bus width select [L = 16bit (fixed)] | 58 | NC | O | Not used |
| 9 | CNVss | I | CPU programming mode select [Normal = L] | 59 | NC | O | Not used |
| 10 | DIGG0 | O | G [0] for OSD | 60 | NC | O | Not used |
| 11 | DIGB0 | O | B [0] for OSD | 61 | NC | O | Not used |
| 12 | RESET | I | Reset for main CPU [Reset = L] | 62 | HSYNC | I | H. sync for OSD |
| 13 | Xout | O | System clock osillation (crystal) : 16MHz | 63 | NC | O | Not used |
| 14 | Vss | - | GND | 64 | VSYNC | I | V. sync for OSD |
| 15 | Xin | I | System clock osillation (crystal) : 16MHz | 65 | NC | O | Not used |
| 16 | Vccl | I | 3.3V stand-by power supply | 66 | NC | O | Not used |
| 17 | OSC1 | I | Clock for OSD | 67 | NC | O | Not used |
| 18 | OSC2 | O | Not used : Clock for OSD | 68 | NC | O | Not used |
| 19 | INT1 | I | Not used | 69 | NC | O | Not used |
| 20 | INT0 | I | Request for sub(chassis) CPU communication (serial data) | 70 | NC | O | Not used |
| 21 | OUT1 | O | Ys (blanking) for OSD | 71 | P2.1 | O | Clock for Inter IC (serial) bus control |
| 22 | OUT2 | O | YM (transparence) for OSD | 72 | P2.0 | I/O | Data for Inter IC (serial) bus control |
| 23 | NC | O | Not used | 73 | NC | O | Not used |
| 24 | NC | O | Not used | 74 | NC | O | Not used |
| 25 | NC | O | Not used | 75 | NC | O | Not used |
| 26 | NC | O | Not used | 76 | NC | O | Not used |
| 27 | CTA2/RTS2 | O | Not used | 77 | NC | O | Not used |
| 28 | CLK2 | O | Not used | 78 | NC | O | Not used |
| 29 | RxD2 | I | Not used | 79 | NC | O | Not used |
| 30 | TxD2 | O | Not used | 80 | P1.0 | O | Function LED lighting |
| 31 | SDA2 | I/O | Not used | 81 | P0.7 | O | Communication LED lighting |
| 32 | DIGR1 | O | R [1] for OSD | 82 | P0.6 | O | Test point |
| 33 | DIGG1 | O | G [1] for OSD | 83 | NC | O | Not used |
| 34 | DIGB1 | O | B [1] for OSD | 84 | WAKE | O | Reset for sub(chassis) CPU |
| 35 | TxD0 | I | Data receive (serial) for external programming | 85 | CARD_DET | I | Not used |
| 36 | RxD0 | O | Data transmission (serial) for external programming | 86 | POWER_SW | I | Power switch (mechanical) detection |
| 37 | CLK0 | I | Clock for external programming | 87 | SDA | I/O | Data for Inter IC (serial) bus control : memory |
| 38 | RTS0 | O | Busy for external programming [Operation = H] | 88 | SLC | O | Clock for Inter IC (serial) bus control : memory |
| 39 | P5.7 | I | Not used | 89 | DIGR2 | O | R [2] for OSD |
| 40 | P5.6 | O | Not used | 90 | DIGG2 | O | G [2] for OSD |
| 41 | HOLD | I | CPU programming mode select [Normal = H] | 91 | DIGB2 | O | B [2] for OSD |
| 42 | P5.4 | O | Not used | 92 | NC | O | Not used |
| 43 | P5.3 | O | Not used | 93 | KEY2 | I | Key scan data for front control button (MENU/CH+/CH-) KEY2 |
| 44 | P5.2 | O | Not used | 94 | KEY1 | I | Key scan data for front control button (INPUT/VOL+/VOL-) KEY1 |
| 45 | P5.1 | O | Not used | 95 | VHOLD2 | I | Data slice for sub screen closed caption |
| 46 | WR | O | CPU programming mode select [Normal = L] | 96 | HLF2 | I/O | LPF for sub screen closed caption video input |
| 47 | P4.7 | O | Data transmission for sub(chassis) CPU communication (serial) | 97 | CVIN2 | I | Video(Y) for sub screen closed caption |
| 48 | P4.6 | I | Data receive for sub(chassis) CPU communication (serial) | 98 | TVSETB | I | Test terminal [L Fixed] |
| 49 | P4.5 | I | Clock for sub(chassis) CPU communication (serial) | 99 | VCCE | I | 5V stand-by power supply |
| 50 | P4.4 | O | Not used | 100 | CVIN1 | I | Video(Y) for main screen closed caption |

# SECTION 3
# DISASSEMBLY

## 3.1 DISASSEMBLY PROCEDURE

**CAUTION AT DISASSEMBLY:**

- **Be sure to perform the SYSTEM SETTEING, at the end of the procedure.**
- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- When removing each board, remove the connectors as required. Taking notes of the connecting points (connector numbers) makes service procedure manageable.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.
- Wait until the LAMP UNIT has cool down is completely.
- While not in repair service, place the chassis back its original position.

### 3.1.1 FRONT SIDE DISASSEMBLY [HD-52G587]

#### 3.1.1.1 REMOVING THE SPEAKER GRILL (Fig.1)

(1) Remove the 2 screws **[A]**.
(2) Remove the SPEAKER GRILL by pressing it downward.

#### 3.1.1.2 REMOVING THE FRONT LED PWB (Fig.1)

- Remove the SPEAKER GRILL.

(1) Remove the 1 screw **[B]**.
(2) Remove the FRONT LED PWB.

#### 3.1.1.3 REMOVING THE CENTER COVER (Fig.1)

- Remove the SPEAKER GRILL.

(1) Remove the 2 screws **[C]**.
(2) Remove the CENTER COVER.

#### 3.1.1.4 REMOVING THE FRONT PANEL (Fig.1)

- Remove the SPEAKER GRILL.

(1) Remove the 10 screws **[D]**.
(2) Remove the 12 screws **[E]**.
(3) Remove the FRONT PANEL.

#### 3.1.1.5 REMOVING THE SPEAKER (Fig.1)

- Remove the SPEAKER GRILL.

(1) Remove the 4 screws **[F]**.
(2) Remove the SPEAKER.
(3) Remove the opposite SPEAKER by the same method.

#### 3.1.1.6 REMOVING THE SCREEN BLOCK(Fig.1)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.

(1) Remove the 8 screws **[G]**.
(2) Remove the SCREEN BLOCK.

**CAUTION:**

- Place the SCREEN BLOCK on a flat table without fail.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.
- Use care not to scratch the screen during work.
- During assembly, be sure to engage the left and right tabs with the cabinet mounting positions.
- When supporting the SCREEN BLOCK, avoid grasping the top of the screen panel, instead grasp the left and right areas.
- Do not leave the SCREEN BLOCK removed for long time to prevent soiling from dust.

#### 3.1.1.7 REMOVING THE SCREEN ASS'Y (Fig.1)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.

(1) Remove the 12 screws **[H]**.
(2) Remove the SCREEN ASS'Y.

**NOTE:**

- Do not touch the front of the SCREEN ASS'Y.
- Do not shock the SCREEN ASS'Y.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.

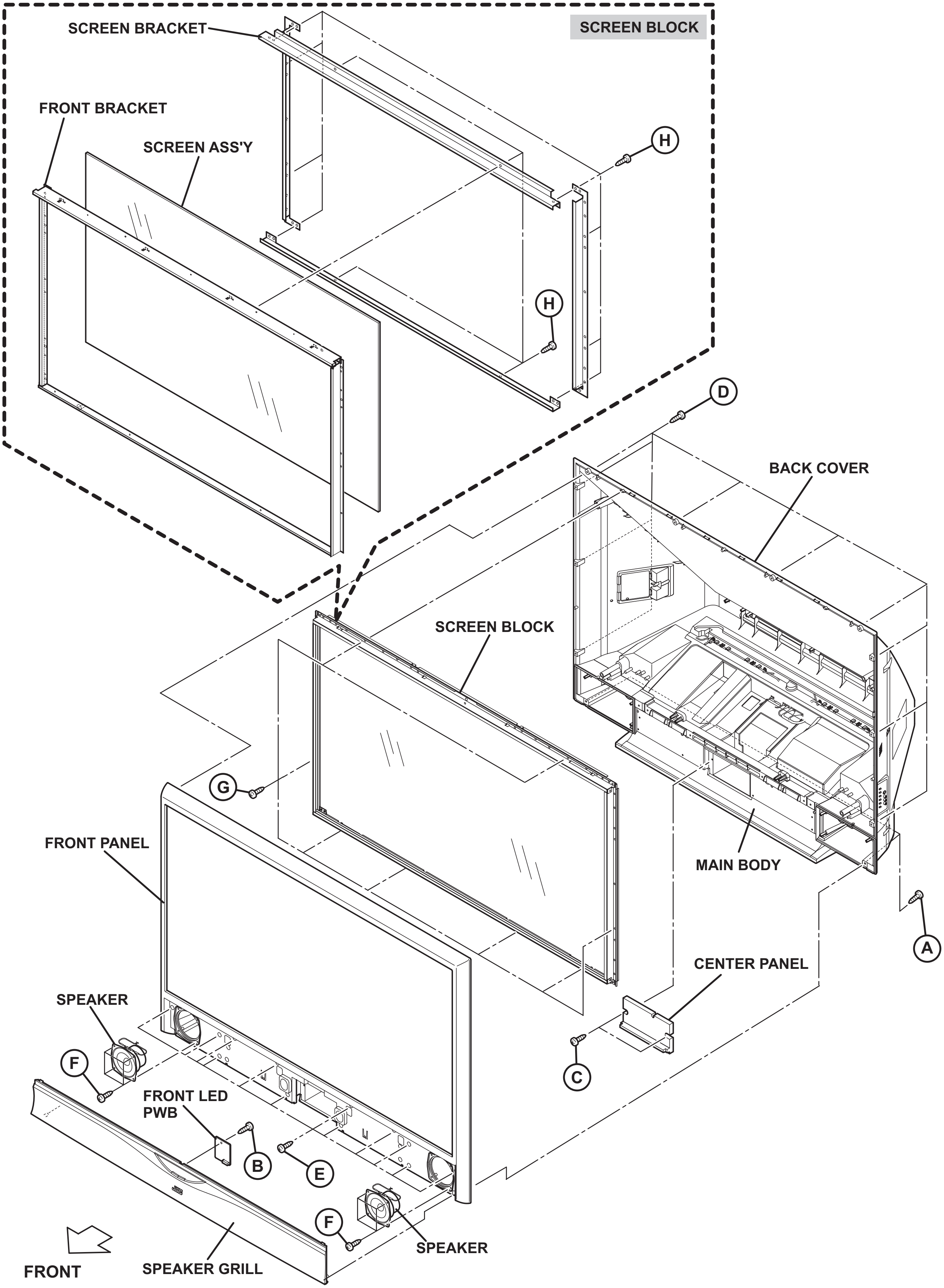

SCREEN BRACKET
SCREEN BLOCK
FRONT BRACKET
SCREEN ASS'Y
H
H
D
BACK COVER
SCREEN BLOCK
G
FRONT PANEL
MAIN BODY
A
CENTER PANEL
SPEAKER
F
C
FRONT LED PWB
B
E
F
SPEAKER
FRONT
SPEAKER GRILL

Fig.1

### 3.1.1.8 REMOVING THE MIRROR (Fig.2)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.

(1) Remove the 4 screws **[A]** attaching the MIRROR HOLDER of the upper side.
(2) Remove the 6 screws **[B]** attaching the MIRROR HOLDER of left and right side.
(3) Raise slightly to disengage of the MIRROR from the bottom MIRROR HOLDER
(4) Remove the MIRROR.

**NOTE :**

- Do not touch the front of the MIRROR.
- Do not give a shock the MIRROR.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.

### 3.1.1.9 REMOVING THE SIDE CONTROL PWB (Fig.2)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.

(1) Remove the 2 screws **[C]**.
(2) Remove the SIDE CONTROL BASE.
(3) Remove the 2 screws **[D]**.
(4) Remove the SIDE CONTROL PWB.

### 3.1.1.10 REMOVING THE SUPPORT HOLDER (Fig.2)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.

(1) Remove the 2 screws **[E]**.
(2) Remove the SUPPORT HOLDER.

### 3.1.1.11 REMOVING THE BACK COVER WITH THE SPEAKER BOX (Fig.2)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
- Remove the SUPPORT HOLDER.

(1) Remove the 6 screws **[F]**.
(2) Remove the 2 screws **[G]** attach the SPEAKER BOX.
(3) Remove the BACK COVER with the SPEAKER BOX

**CAUTION :**

- Because of the large size, at least 2 persons are recommended for removal and reassemble.

### 3.1.1.12 REMOVING THE SPEAKER BOX (Fig.2)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
- Remove the SUPPORT HOLDER.
- Remove the BACK COVER with the SPEAKER BOX.

(1) Remove the 1 screw **[H]**.
(2) Remove the SPEAKER BOX.
(3) Remove the opposite SPEAKER BOX by the same method.

### 3.1.1.13 REMOVING THE FILTER (Fig.2)

(1) Remove the 1 screw **[J]**.
(2) Remove the FILTER COVER with the FILTER.
(3) Remove the FILTER.
(4) Remove the opposite FILTER by the same method.

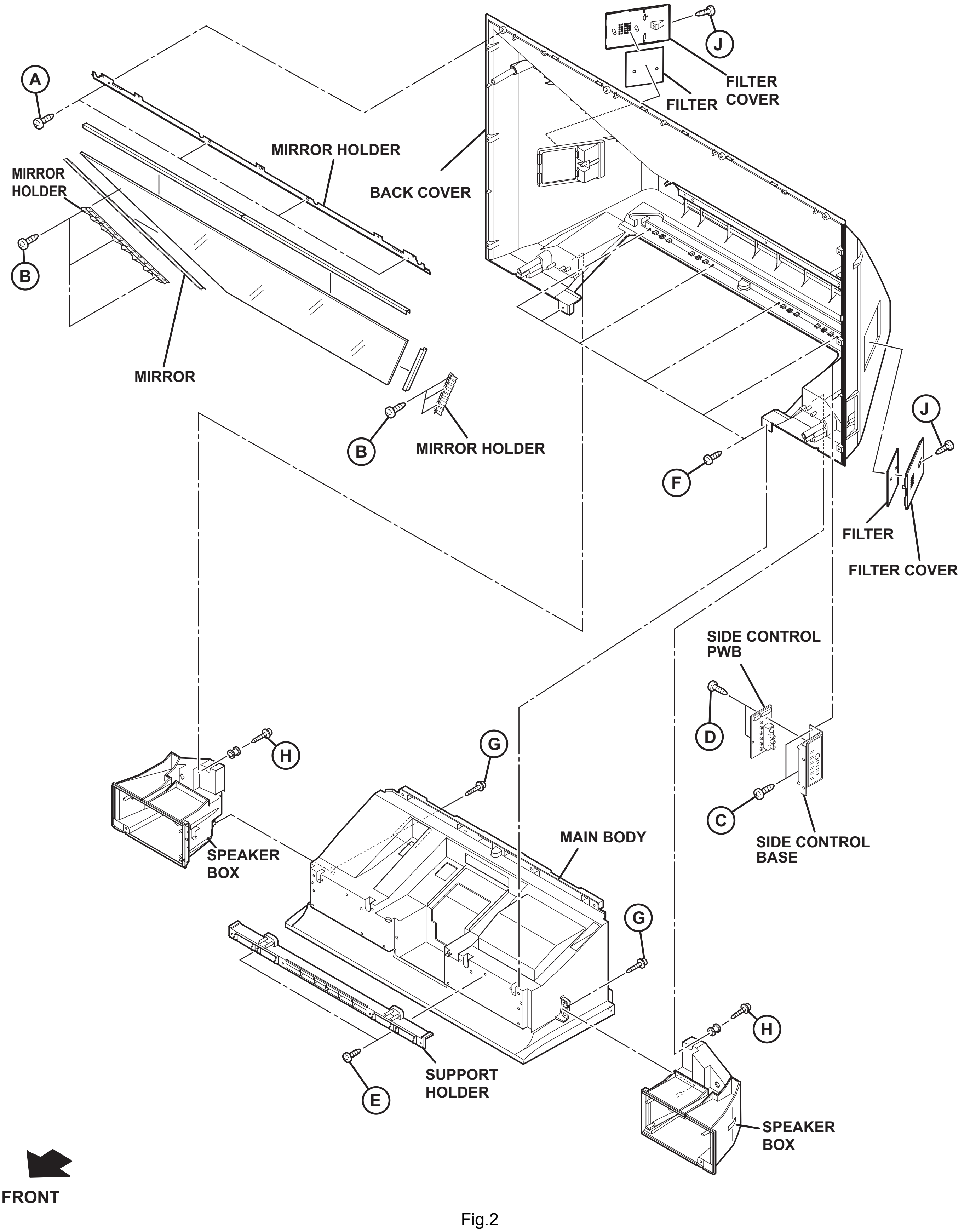

J
A
FILTER COVER
FILTER
MIRROR HOLDER
MIRROR HOLDER
BACK COVER
B
MIRROR
B
MIRROR HOLDER
J
F
FILTER
FILTER COVER
SIDE CONTROL PWB
D
H
G
C
MAIN BODY
SIDE CONTROL BASE
SPEAKER BOX
G
H
E
SUPPORT HOLDER
SPEAKER BOX
FRONT

Fig.2

## 3.1.2 FRONT SIDE DISASSEMBLY [HD-61G587]

### 3.1.2.1 REMOVING THE SPEAKER GRILL (Fig.3)

(1) Remove the 2 screws **[A]**.
(2) Remove the SPEAKER GRILL by pressing it downward.

### 3.1.2.2 REMOVING THE FRONT LED PWB (Fig.3)

- Remove the SPEAKER GRILL.

(1) Remove the 1 screw **[B]**.
(2) Remove the FRONT LED PWB.

### 3.1.2.3 REMOVING THE CENTER COVER (Fig.3)

- Remove the SPEAKER GRILL.

(1) Remove the 2 screws **[C]**.
(2) Remove the CENTER COVER.

### 3.1.2.4 REMOVING THE FRONT PANEL WITH SCREEN ASS'Y (Fig.3)

- Remove the SPEAKER GRILL.

(1) Remove the 8 screws **[D]**.
(2) Remove the 10 screws **[E]**.
(3) Remove the FRONT PANEL with SCREEN ASS'Y.

**CAUTION:**

- Place the FRONT PANEL with SCREEN ASS'Y on a flat table without fail.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.
- Use care not to scratch the screen during work.
- Do not leave the FRONT PANEL with SCREEN ASS'Y removed for long time to prevent soiling from dust.

### 3.1.2.5 REMOVING THE SCREEN ASS'Y (Fig.3)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with SCREEN ASS'Y.

(1) Remove the 4 screws **[F]**.
(2) Remove the 20 screws **[G]**.
(3) Remove the SCREEN BRACKET.
(4) Remove the SCREEN ASS'Y from the FRONT PANEL

**NOTE:**

- Do not touch the front of the SCREEN ASS'Y.
- Do not shock the SCREEN ASS'Y.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.

### 3.1.2.6 REMOVING THE SPEAKER (Fig.3)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with SCREEN ASS'Y.

(1) Remove the 4 screws **[H]**.
(2) Remove the SPEAKER.
(3) Remove the opposite SPEAKER by the same method.

### 3.1.2.7 REMOVING THE SPEAKER PLATE (Fig.3)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with SCREEN ASS'Y.

(1) Remove the 4 screws **[J]**.
(2) Remove the SPEAKER PLATE.
(3) Remove the opposite SPEAKER PLATE by the same method.

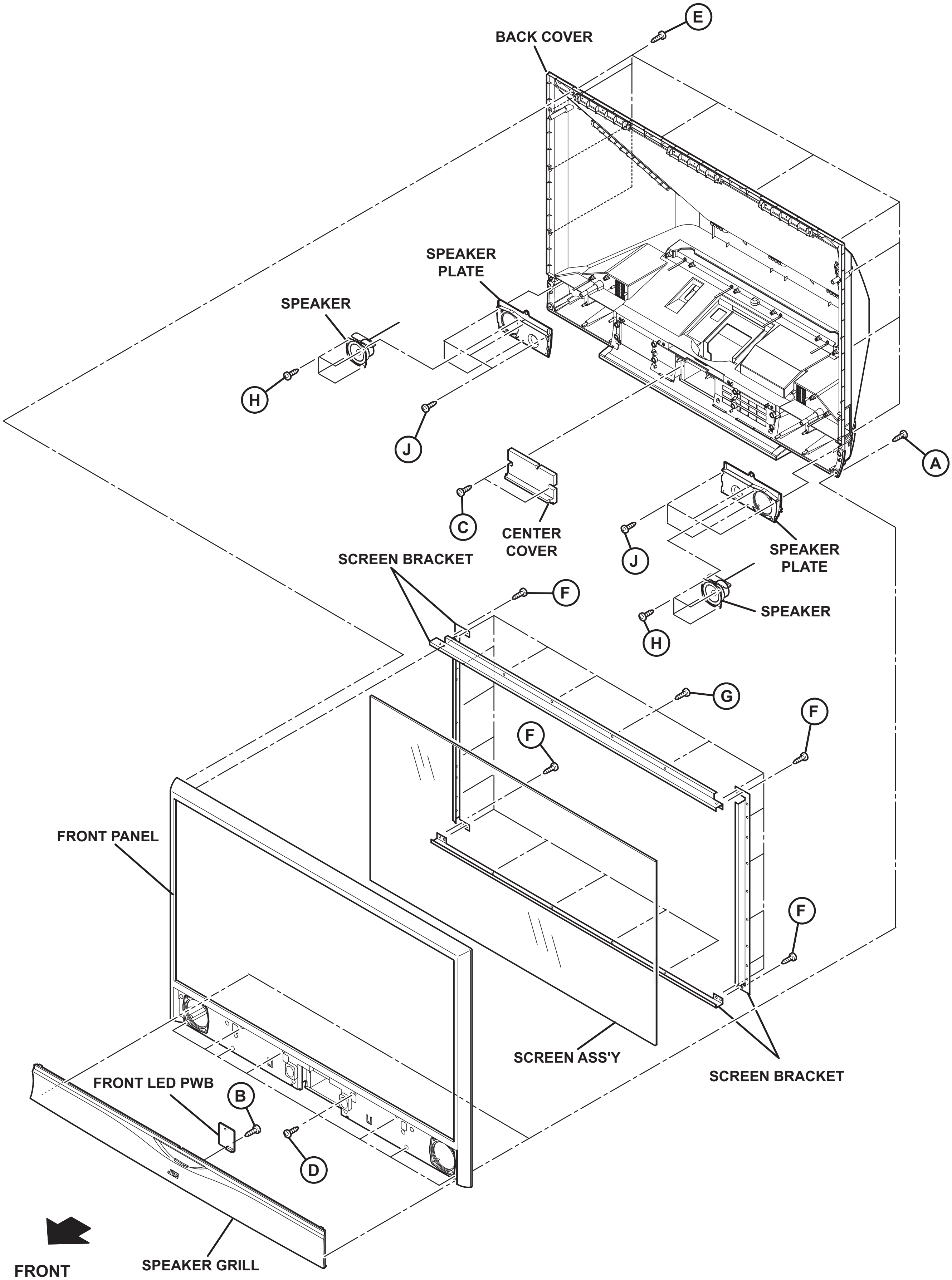

E
BACK COVER
SPEAKER PLATE
SPEAKER
H
J
A
C
CENTER COVER
J
SPEAKER PLATE
SCREEN BRACKET
F
SPEAKER
H
G
F
F
F
FRONT PANEL
SCREEN ASS'Y
SCREEN BRACKET
FRONT LED PWB
B
D
FRONT
SPEAKER GRILL

Fig.3

### 3.1.2.8 REMOVING THE MIRROR (Fig.4)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with SCREEN ASS'Y.
  (1) Remove the 8 screws **[A]**.
  (2) Remove the MIRROR HOLDER of the upper side.
  (3) Remove the 6 screws **[B]**.
  (4) Remove the MIRROR HOLDER of left and right side.
  (5) Raise slightly to disengage of the MIRROR from the bottom MIRROR HOLDER.
  (6) Remove the MIRROR.

**NOTE:**

- Do not touch the front of the MIRROR.
- Do not shock the MIRROR.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.

### 3.1.2.9 REMOVING THE BACK COVER FILTER (Fig.4)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with SCREEN ASS'Y.
  (1) Remove the double-sided tape attached BACK COVER FILTER.
  (2) Remove the BACK COVER FILTER(L/R).

### 3.1.2.10 REMOVING THE SIDE CONTROL PWB (Fig.4)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with SCREEN ASS'Y.
  (1) Remove the 2 screws **[C]**.
  (2) Remove the SIDE CONTROL BASE.
  (3) Remove the 2 screws **[D]**.
  (4) Remove the SIDE CONTROL PWB.

### 3.1.2.11 REMOVING THE BACK COVER (Fig.4)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with SCREEN ASS'Y.
  (1) Remove the 9 screws **[E]**.
  (2) Remove the 4 screws **[F]**.
  (3) Remove the 2 screws **[G]** from rear side.
  (4) Remove the BACK COVER.

**CAUTION:**

- Because of the large size, at least 2 persons are recommended for removal and reassemble.

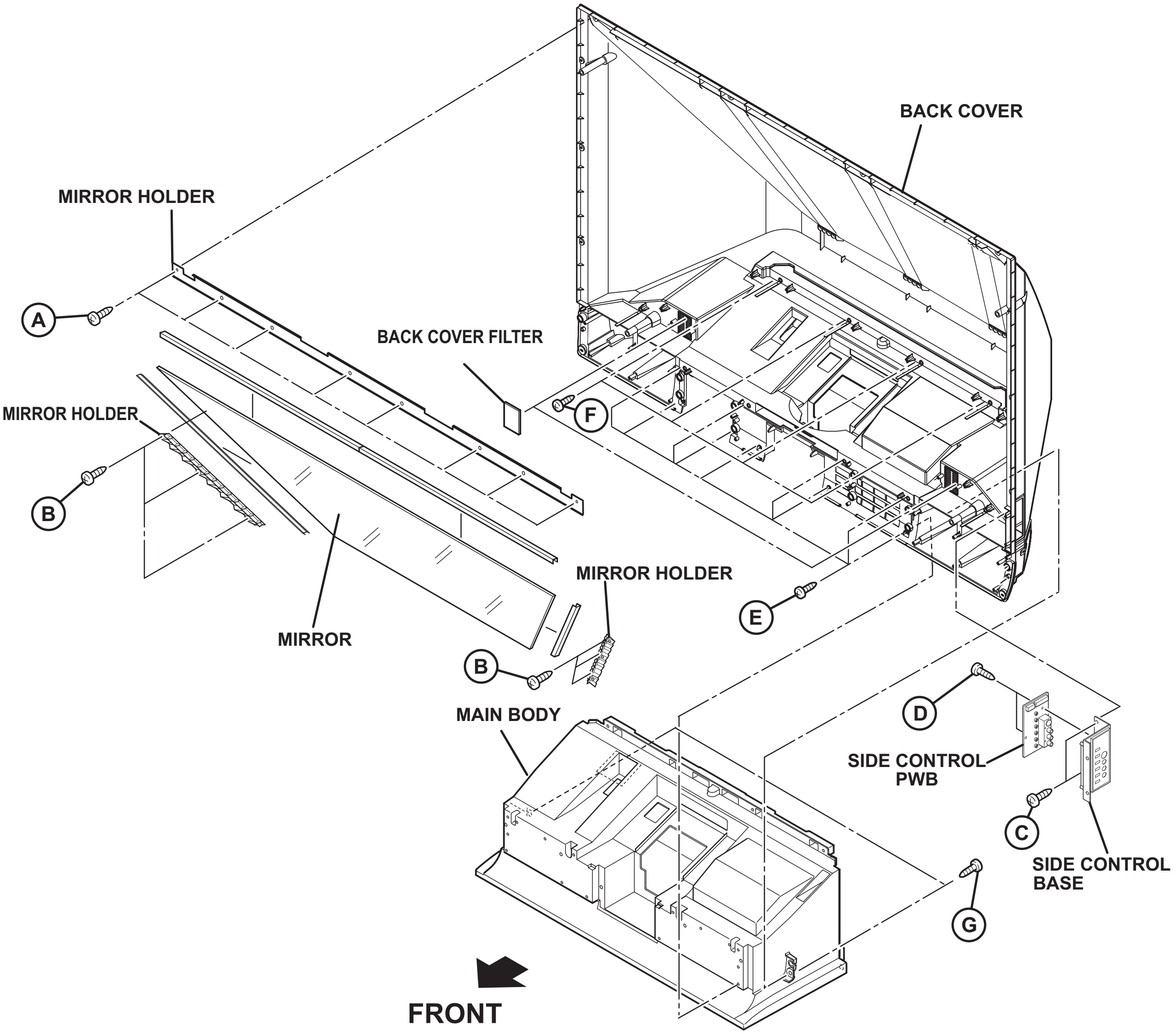

BACK COVER
MIRROR HOLDER
A
BACK COVER FILTER
MIRROR HOLDER
F
B
MIRROR HOLDER
E
MIRROR
B
D
MAIN BODY
SIDE CONTROL PWB
C
SIDE CONTROL BASE
G
FRONT

Fig.4

### 3.1.3 REAR SIDE DISASSEMBLY

#### 3.1.3.1 REMOVING THE LAMP UNIT (Fig.5)

(1) Remove the 1 screw **[A]**.
(2) Remove the LAMP COVER.
(3) Remove the 2 screws **[B]**
(4) Pull out the LAMP UNIT.

**NOTE :**

- Do not leave the LAMP COVER removed for long time to prevent dirt and dust form covering the lens.
- Make sure that the LAMP COVER is completely installed.

#### 3.1.3.2 REMOVING THE BODY COVER (Fig.5)

(1) Remove the 9 screws **[C]**.
(2) Remove the 2 screws **[D]** (Only HD-52G587).
(3) Remove the 5 screws **[E]**.
(4) Remove the BODY COVER.

**NOTE :**

- Do not leave the BODY COVER removed for long time to prevent soiling from dust.

#### 3.1.3.3 REMOVING THE MAIN UNIT (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.

(1) Remove the 4 screws **[F]**
(2) Remove the BODY BRACKET.
(3) Remove the 2 screws **[G]**
(4) The MAIN UNIT is pulled out to the back side.

**CAUTION :**

- **Except for confirmation of projection images on the screen and audio output through the speakers, the removed MAIN UNIT is still workable in the same state as if it is still built-in the TV set. Therefore, the MAIN UNIT can be removed, if necessary, for board diagnosis, electric testing, etc. apart from confirmation of screen images and audio output. Do not leave the MAIN UNIT removed for long time to prevent soiling from dust.**
- **Because of the large size, at least 2 persons are recommended for removal and reassemble.**
- **When carrying the MAIN UNIT, use care not to drop, shock or shake it.**
- **Do not stain or damage the projection lens.**
- **Do not look directly at the light during service.**
- **Do not touch the lamp directly as it presents a burn hazard.**

**NOTE :**

- When not performing repair work, attach the cap on the lens to preventing dust from covering.
- When mounting to the set, make sure the front of the lens is in contact with the cushion on the set (body) side.
- Make sure that FRONT LED PWB connector is completely connect to the ANALOG PWB connector.
- When wire clamps are removed during work, use care to restore them precisely to their original positions. Performance can be affected if these are not returned to the original positions.

#### 3.1.3.4 REMOVING THE AV TERMINAL BOARD (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

(1) Remove the 3 screws **[H]**, 7 screws **[J]** and the 3 screws **[K]**.
(2) Remove the 2 hexagon screws **[L]**.
(3) Remove the AV TERMINAL BOARD.

#### 3.1.3.5 REMOVING THE POWER PWB (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

(1) Remove the POWER CORD.
(2) Remove the 1 screws **[N]**.
(3) Remove the HANGER BRACKET with POWER PWB.
(4) Remove the 7 screws **[M]**.
(5) Remove the POWER PWB.

#### 3.1.3.6 REMOVING THE ANALOG PWB (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the AV TERMINAL BOARD.
- Remove the POWER PWB.

(1) Remove the 4 screws **[P]**.
(2) Remove the ANALOG PWB.

### 3.1.3.7 REMOVING THE DIGITAL PWB (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the AV TERMINAL BOARD.
- Remove the POWER PWB.
- Remove the ANALOG PWB.

(1) Remove the 1 screw **[Q]**.
(2) Remove the DIGITAL PWB BRACKET with DIGITAL PWB.
(3) Remove the 8 screws **[R]**.
(4) Remove the DIGITAL PWB SHIELD COVER.
(5) Remove the 9 screws **[S]**.
(6) Remove the DIGITAL PWB.

**CAUTION :**

- **Make sure to perform the "SYSTEM SETTEING" , when DIGITAL SIGNAL PWB is replaced.**
- **Especially, because the value of F001 (DD) might been changed, go through next steps to confirm the setting value with the remote control unit.**

**(1) Set to "0 minutes" using the [SLEEP TIMER] key.**
**(2) While "0 minutes" is displayed, press the [VIDEO STATUS] key and [DISPLAY] key simultaneously, then enter the SERVICE MODE.**
**(3) Press [1] key to enter the ADJUSTMENT MODE.**
**(4) Select < F001 >.**
**(5) Confirm the value to "000", and set it to "000" when not "000".**
**(6) Press [MUTING] key, to memorize the data.**
**(7) Press [BACK] key twice to exit the SERVICE MODE.**

### 3.1.3.8 REMOVING THE FAN CONTROL PWB (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

(1) Remove the 1 screw **[T]**.
(2) Remove the FAN PWB.

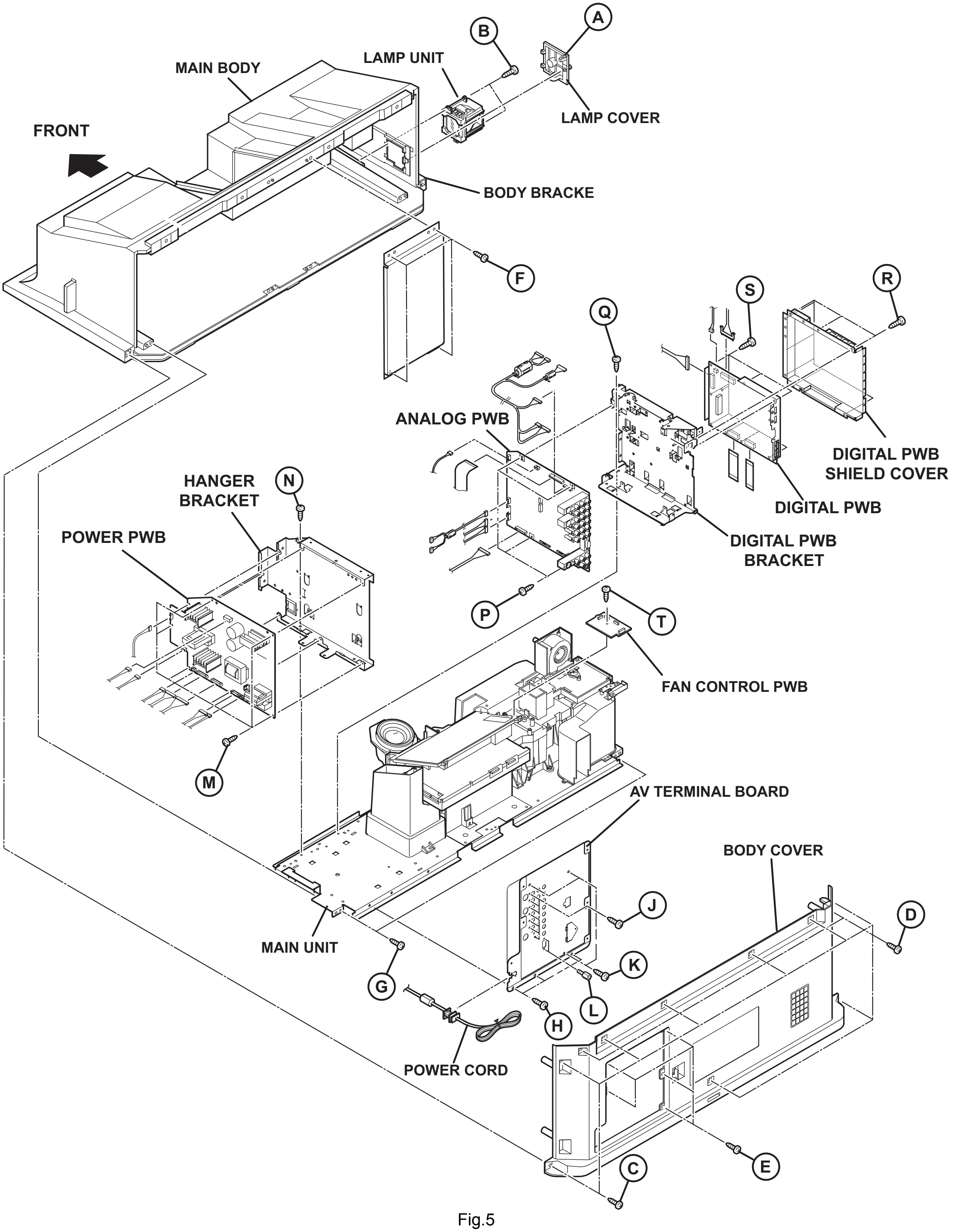

A
B
LAMP UNIT
MAIN BODY
LAMP COVER
FRONT
BODY BRACKE
F
R
S
Q
ANALOG PWB
DIGITAL PWB
SHIELD COVER
HANGER
BRACKET
N
DIGITAL PWB
POWER PWB
DIGITAL PWB
BRACKET
P
T
FAN CONTROL PWB
M
AV TERMINAL BOARD
BODY COVER
J
D
MAIN UNIT
K
G
L
H
POWER CORD
C
E

Fig.5

### 3.1.3.9 REMOVING THE LAMP COVER PWB (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

(1) Remove the 2 screws **[A]**.
(2) Remove the LAMP COVER BRACKET with LAMP COVER PWB.
(3) Remove the 1 screw **[B]**.
(4) Remove the LAMP COVER PWB.

### 3.1.3.10 REMOVING THE TERMOSTAT (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

(1) Remove the 2 screws **[C]**.
(2) Remove the THERMOSTAT.

### 3.1.3.11 REMOVING THE LAMP FAN DUCT (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the THERMOSTAT.

(1) Remove the 5 screws **[D]**.
(2) Remove the LAMP FAN DUCT.

### 3.1.3.12 REMOVING THE LAMP COOLING FAN (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the LAMP FAN DUCT.

(1) Remove the 2 screws **[E]**.
(2) Remove the COOLING FAN BRACKET by pulling transversally
(3) Remove the 2 screws **[F]**.
(4) Remove the LAMP COOLING FAN.

### 3.1.3.13 REMOVING THE BALLAST UNIT COOLING FAN (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the LAMP FAN DUCT.
- Remove the COOLING FAN BRACKET.

(1) Remove the 2 screws **[G]**.
(2) Remove the BALLAST UNIT COOLING FAN.

### 3.1.3.14 REMOVING THE LAMP BALLAST BLOCK (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

(1) Remove the 2 screws **[H]**.
(2) Remove the LAMP BALLAST DUCT.
(3) Remove the 2 screws **[I]**.
(4) Remove the LAMP BALLAST UNIT.
(5) Remove the 1 screw **[J]**.
(6) Remove the LAMP BALLAST BRACKET.

### 3.1.3.15 REMOVING THE REMOCON PWB(Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

(1) Remove the 1 screw **[L]**.
(2) Remove the REMOCON PWB.

### 3.1.3.16 REMOVING THE OPTICAL / DRIVE ASS'Y (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the LAMP FAN DUCT.

(1) Remove the 5 screws **[M]**, 6 screws **[N]** and 1 screw **[O]**.
(2) Remove the OPTICAL / DRIVE ASS'Y.
  - OPTICAL BLOCK (D-ILA device, PBS, Field lens, Integrater, Mirror etc.)
  - PROJECTION LENS
  - Optical base
  - DRIVE PWB
  - TOP DUCT
  - SHIELD COVER

**NOTE :**

- The OPTICAL / DRIVE ASS'Y contains precision optical components.
- Handle carefully and avoid imparting strong shock.
- OPTICAL / DRIVE ASS'Y construction
- When not performing repair work, attach the cap on the lens to preventing dust from covering.
- When mounting to the set, make sure the front of the lens side is in contact with the cushion on the body side.
- Do not leave the OPTICAL / DRIVE ASS'Y removed for long time to prevent soiling from dust.

### 3.1.3.17 REMOVING THE DRIVE PWB (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

(1) Slide the TOP DUCT PLATE and remove it.
(2) Remove the 1 screw **[P]** and the 1 screw **[Q]**.
(3) Remove the TOP DUCT.
(4) Remove the SHIELD TOP CASE.
(5) Remove the 2 screws **[R]**.
(6) Remove the DEVICE SHIELD.
(7) Remove the 3 screws **[S]** and the 1 screw **[T]**.
(8) Remove the DRIVE PWB.

### 3.1.3.18 REMOVING THE OPTICAL BLOCK COOLING FAN (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the LAMP FAN DUCT.
- Remove the OPTICAL / DRIVE ASS'Y

(1) Remove the 2 screws **[U]**.
(2) Remove the SIROCCO TOP CASE.
(3) Remove the 2 screws **[V]**.
(4) Remove the OPTICAL BLOCK COOLING FAN.

### 3.1.3.19 REMOVING THE PROJECTION LENS (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

(1) Remove the 4 screws **[W]**.
(2) Remove the PROJECTION LENS.

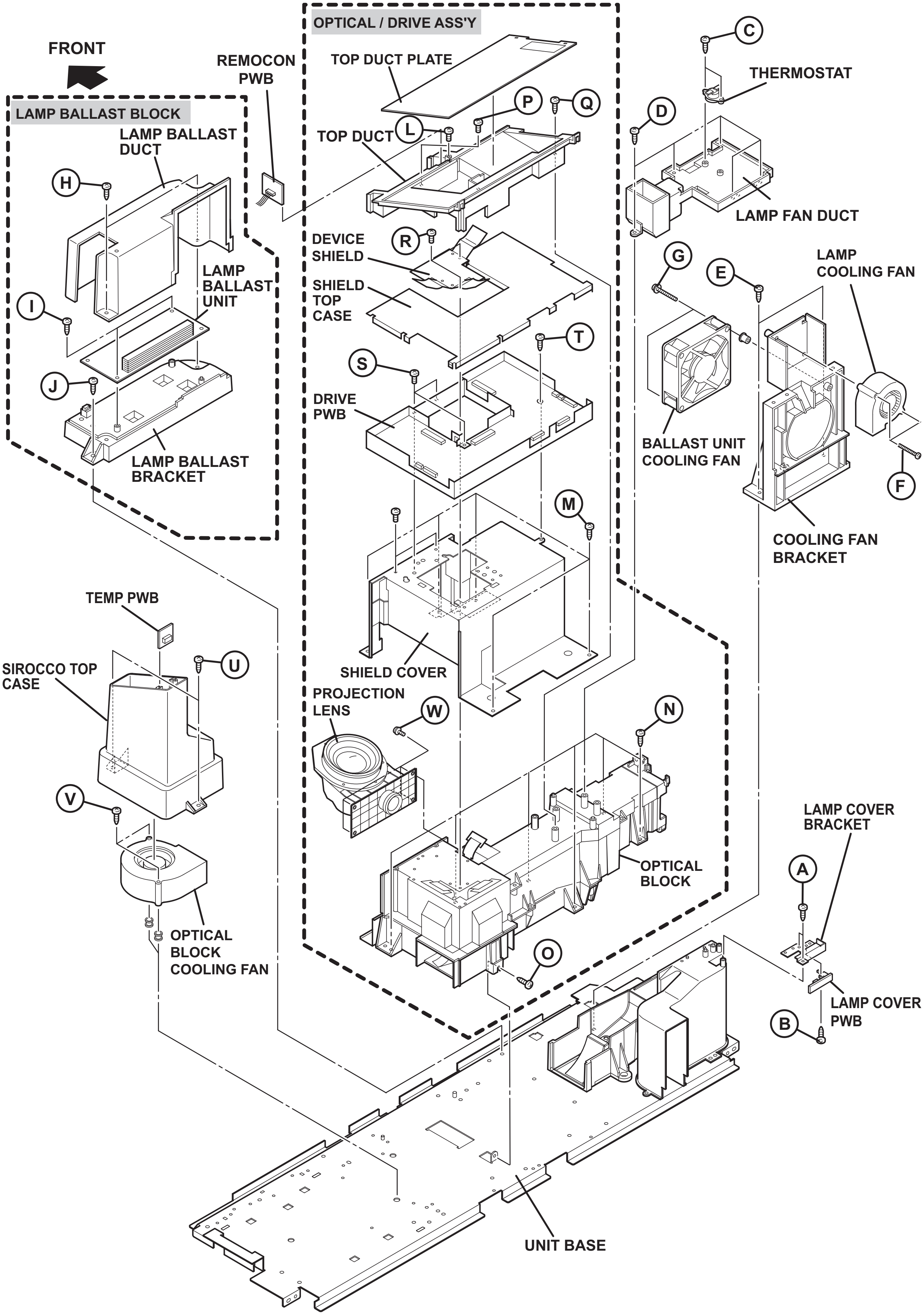

FRONT
LAMP BALLAST BLOCK
LAMP BALLAST DUCT
H
LAMP BALLAST UNIT
I
J
LAMP BALLAST BRACKET
REMOCON PWB
OPTICAL / DRIVE ASS'Y
TOP DUCT PLATE
P
Q
L
TOP DUCT
R
DEVICE SHIELD
SHIELD TOP CASE
T
S
DRIVE PWB
M
SHIELD COVER
PROJECTION LENS
W
N
OPTICAL BLOCK
O
C
THERMOSTAT
D
LAMP FAN DUCT
G
E
LAMP COOLING FAN
BALLAST UNIT COOLING FAN
F
COOLING FAN BRACKET
TEMP PWB
U
SIROCCO TOP CASE
V
OPTICAL BLOCK COOLING FAN
LAMP COVER BRACKET
A
LAMP COVER PWB
B
UNIT BASE

Fig.6

## 3.2 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

### 3.2.1 MEMORY IC TABLE

| Simbol | Number of pins | Mounting PWB | Main content of data |
|---|---|---|---|
| IC3741 | 8-pin | DRIVE PWB | Adjustment and setting data (GAMMA, SHADING, etc.) of IC3701(DRIVE CPU) are memorized. |
| IC3742 | 8-pin | DRIVE PWB | Adjustment and setting data (GAMMA, SHADING, etc.) of IC3701(DRIVE CPU) are memorized. |
| IC7201 | 48-pin | DIGITAL PWB | Progaram(Video process) of IC6001(System CPU) is memorized. |
| IC7602 | 8-pin | DIGITAL PWB | Setting value of IC7601(MAIN CPU) is memorized. |

### 3.2.2 MEMORY IC REPLACEMENT PROCEDURE

**1. Power off**
Switch off the power and disconnect the power plug from the AC outlet.

**2. Replace the memory IC**
Be sure to use the memory IC written with the initial setting values.

**3. Power on**
Connect the power plug to the AC outlet and switch on the power.

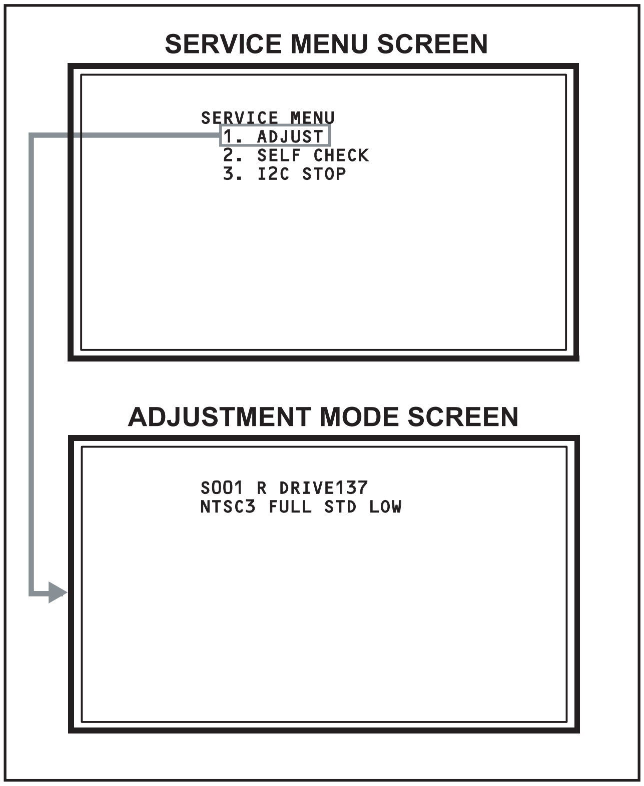
**4. Receiving channel setting**
Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

**5. User setting**
Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

**6. SERVICE MODE setting**
Verify what to set in the SERVICE MODE, and set whatever is necessary (Fig.1). Refer to the SERVICE ADJUSTMENT for setting.

### 3.2.3 SERVICE MODE SETTING

**■SERVICE MODE SCREEN**



```
SERVICE MENU
 1. ADJUST
 2. SELF CHECK
 3. I2C STOP
```

```
S001 R DRIVE137
NTSC3 FULL STD LOW
```

Fig.1

**■SETTING ITEM**

| Setting items | Settings | Item No. |
|---|---|---|
| Video system setting | Adjust | S001 - S009 |
| Audio system setting | Adjust | T001 - T003 |
| Main CPU system setting | Fixed | M001 - M224 |
| Drive system setting | Fixed | F001 - F002 |
| **(NOT USED)** | Fixed | D001 |
| **(NOT USED)** | Fixed | Z001 |

### 3.2.4 SETTINGS OF FACTORY SHIPMENT

#### 3.2.4.1 BUTTON OPERATION

| Setting item | Setting position |
|---|---|
| POWER | Off |
| VOLUME | 10 |
| INPUT | INPUT-1 |

#### 3.2.4.2 REMOTE CONTROL DIRECT OPERATION

| Setting item | | Setting position |
|---|---|---|
| INPUT | | INPUT-1 |
| VOLUME | | 10 |
| MUTING | | OFF |
| DISPLAY | | OFF |
| ASPECT | NTSC | Reguler |
| | HD | FULL |
| SLEEP TIMER | | OFF |
| THEATER PRO | | OFF |
| NATURAL CINEMA | | AUTO |
| C.C. | | OFF |
| MTS | | STEREO |
| TWIN SOURCE | LEFT SIDE | INPUT-1 |
| | RIGHT SIDE | INPUT-2 |
| SOUND | A.H.S.+ | OFF |
| | A.T.C. | ON |
| | SMART SOUND | OFF |
| | HYPER BASS | OFF |

#### 3.2.4.3 REMOTE CONTROL MENU OPERATION

**■ PICTURE ADJUST**

Customers can adjust the picture setting of menu screen as their own like but the picture standard value during factory shipment is as below.

**[NTSC MODE]**

| Setting item | DYNAMIC | STANDARD | GAME | THEATER |
|---|---|---|---|---|
| TINT | 00 | 00 | 00 | 00 |
| COLOR | +02 | 00 | 00 | 00 |
| PICTURE | +18 | 00 | -10 | 00 |
| BRIGHT | -03 | 00 | 00 | 00 |
| DETAIL | +10 | 00 | 00 | 00 |
| COLOR TEMPERATURE | HIGH | LOW | HIGH | HIGH |
| COLOR MANAGEMENT | ON | ON | ON | ON |
| DYNAMIC GAMMA | ON | ON | ON | ON |
| SMART PICTURE | OFF | ON | ON | ON |
| DIGITAL VNR | AUTO | AUTO | AUTO | AUTO |
| MPEG NR | OFF | OFF | OFF | OFF |

**[HD MODE]**

| Setting item | DYNAMIC | STANDARD | GAME | THEATER |
|---|---|---|---|---|
| PICTURE | 00 | 00 | 00 | 00 |
| BRIGHT | 00 | 00 | 00 | 00 |
| COLOR | +18 | 00 | -10 | 00 |
| TINT | -03 | 00 | 00 | 00 |
| DETAIL | +10 | 00 | 00 | 00 |
| COLOR TEMPERATURE | HIGH | LOW | HIGH | LOW |
| COLOR MANAGEMENT | ON | ON | ON | ON |
| DYNAMIC GAMMA | ON | ON | ON | ON |
| SMART PICTURE | OFF | ON | ON | ON |
| DIGITAL VNR | AUTO | AUTO | AUTO | AUTO |
| MPEG NR | OFF | OFF | OFF | OFF |

**■ SOUND ADJUST**

| Setting item | Setting position |
|---|---|
| BASS | 00 |
| TREBLE | 00 |
| BALANCE | 00 |
| TURN ON VOLUME | Current |
| VOLUME LIMIT | 50 |

**■ CLOCK / TIMERS**

| Setting item | Setting position |
|---|---|
| ON / OFF TIMER | NO |

**■ INITIAL SETUP**

| Setting item | Setting position |
|---|---|
| DIGITAL-IN | AUTO |
| DIGITAL-IN1 AUDIO | AUTO |
| NOISE MUTING | ON |
| FRONT PANEL LOCK | OFF |
| V1 SMART INPUT | OFF |
| VIDEO INPUT LABEL | All blank |
| POSITION ADJUSTMENT | Center |
| POWER INDICATOR | HIGH |
| LANGUAGE | ENG. |
| CLOSED CAPTION | OFF |
| AUTO SHUT OFF | OFF |
| XDS ID | ON |
| AUTO TUNER SETUP | Unnecessary to set |
| V-CHIP | OFF |

## 3.3 REPLACEMENT OF CHIP COMPONENT

### 3.3.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

### 3.3.2 SOLDERING IRON

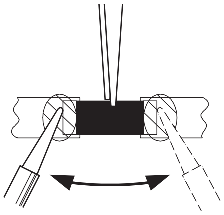
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

### 3.3.3 REPLACEMENT STEPS

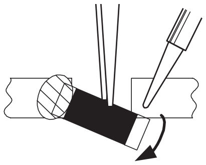
**1. How to remove Chip parts**

**[Resistors, capacitors, etc.]**

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

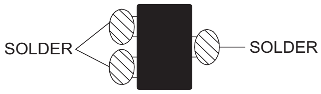


(2) Shift with the tweezers and remove the chip part.

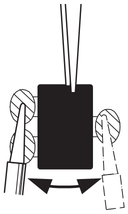


**[Transistors, diodes, variable resistors, etc.]**

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



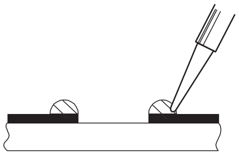
**NOTE :**

After removing the part, remove remaining solder from the pattern.

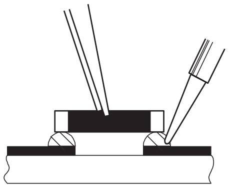
**2. How to install Chip parts**

**[Resistors, capacitors, etc.]**

(1) Apply solder to the pattern as indicated in the figure.

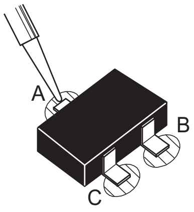


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

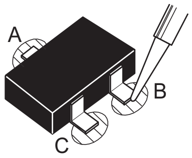


**[Transistors, diodes, variable resistors, etc.]**

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



# SECTION 4
# ADJUSTMENT

## 4.1 ADJUSTMENT PREPARATION

(1) **There are 2 ways of adjusting this TV : One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.**

(2) **The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.**

(3) Make sure that connection is correctly made AC to AC power source.

(4) Turn on the power of the TV and measuring instruments for warning up for at least 30 minutes before starting adjustments.

(5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.

(6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

## 4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

| Setting item | Settings |
|---|---|
| VIDEO STATUS | STANDARD |
| Picture adjustments | 00 |
| COLOR TEMPERATURE | LOW |
| COLOR MANAGEMENT | ON |
| DYNAMIC GAMMA | ON |
| SMART PICTURE | OFF |
| DIGITAL VNR | OFF |
| MPEG NR | OFF |
| NATURAL CINEMA | AUTO |
| Sound adjustments | 00 |
| A.H.S.+ | OFF |
| HYPER BASS | OFF |
| SMART SOUND | OFF |
| ASPECT | FULL |

## 4.3 MEASURING INSTRUMENT AND FIXTURES

- Oscilloscope
- Signal generator (Pattern generator)
  [NTSC / 525i / 525p / 750p / 1125i]
- TV audio multiplex signal generator
- Remote control unit

## 4.4 ADJUSTMENT ITEMS

■ **FOCUS**
- LENS FOCUS adjustment

■ **DRIVE CIRCUIT**
- DRIVE CONVERGENCE adjustment
- DRIVE CENTER POSITION adjustment

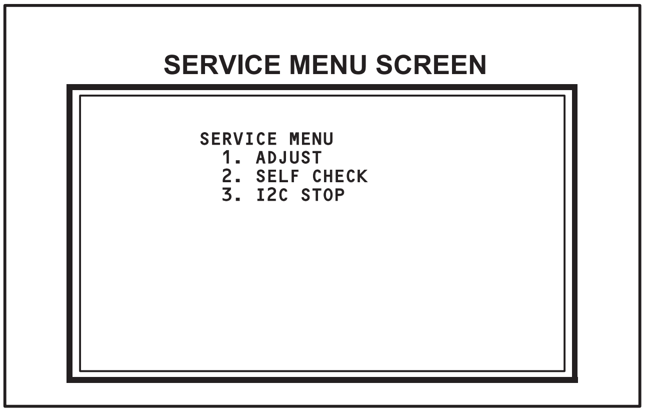
■ **VIDEO CIRCUIT**
- WHITE BALANCE (HIGHLIGHT) adjustment

## 4.5 BASIC OPERATION OF SERVICE MODE

### 4.5.1 HOW TO ENTER THE SERVICE MODE

(1) Set to **"0 minutes"** using the **[SLEEP TIMER]** key.

(2) While **"0 minutes"** is displayed, press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the SERVICE MODE (Fig.1)


SERVICE MENU SCREEN

```
SERVICE MENU
  1. ADJUST
  2. SELF CHECK
  3. I2C STOP
```

Fig.1

**NOTE:**

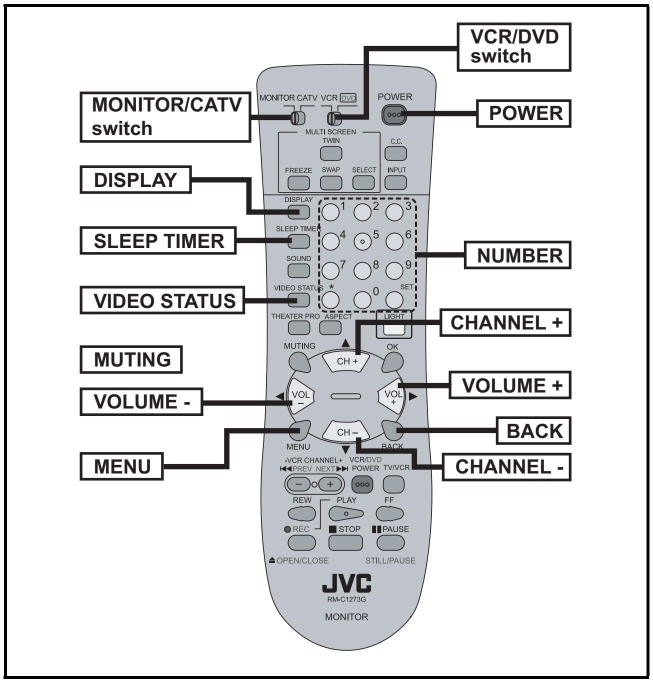
- Before entering the SERVICE MODE, confirm that the setting of **MONITOR/CATV** switch of the REMOTE CONTROL UNIT is at the "**MONITOR**" side and the setting of **VCR/DVD** switch is at the "**VCR**" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.
- When a number key other than the **[1]** or **[9]** keys is pressed in the SERVICE MENU SCREEN, the other relevant screen may be displayed.

  This is not used in the adjustment procedure. Press the **[MENU]** key to return to the SERVICE MENU SCREEN.

### 4.5.2 HOW TO EXIT THE SERVICE MODE

Press the **[ BACK ]** key to exit the Service mode.

### 4.5.3 SERVICE MODE SELECT KEY LOCATION


VCR/DVD switch
MONITOR/CATV switch
POWER
DISPLAY
SLEEP TIMER
NUMBER
VIDEO STATUS
CHANNEL +
MUTING
VOLUME +
VOLUME -
BACK
MENU
CHANNEL -
MONITOR CATV VCR DVD
MULTI SCREEN
TWIN
C.C.
FREEZE
SWAP
SELECT
INPUT
SOUND
THEATER PRO
ASPECT
LIGHT
OK
CH +
CH –
VOL
REW
PLAY
FF
REC
STOP
PAUSE
OPEN/CLOSE
STILL/PAUSE
JVC
RM-C1273G
MONITOR

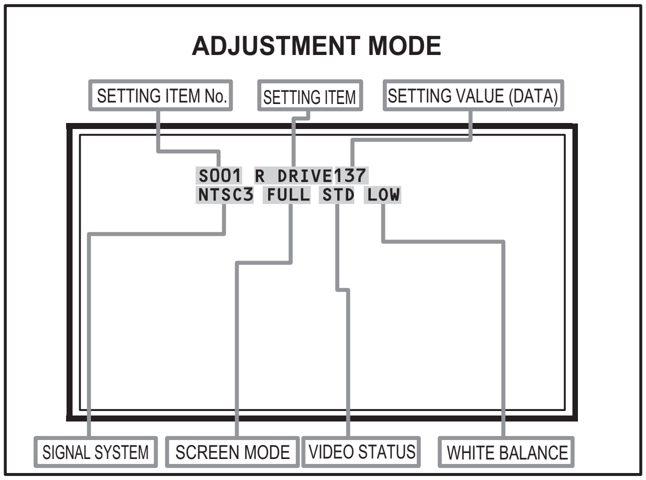
### 4.5.4 ADJUSTMENT MODE

This mode is used to adjust the VIDEO CIRCUIT.

#### 4.5.4.1 HOW TO ENTER THE ADJUSTMENT MODE

When the SERVICE MENU SCREEN of SERVICE MODE is displayed, press **[1]** key to enter the **ADJUSTMENT MODE (Fig.2)**.

#### 4.5.4.2 DESCRIPTION OF STATUS DISPLAY OF ADJUSTMENT MODE


ADJUSTMENT MODE
SETTING ITEM No.
SETTING ITEM
SETTING VALUE (DATA)
SIGNAL SYSTEM
SCREEN MODE
VIDEO STATUS
WHITE BALANCE

```
S001 R DRIVE137
NTSC3 FULL STD LOW
```

Fig.2

**(1) SIGNAL SYSTEM**

The signal displayed on the screen is displayed.

NTSC3 : 525i (Composite / S-video input)
525I : 525i (Component input)
525P : 525p
1125I6 : 1125i
750P : 750p
H525I : HDMI 525i
H525P : HDMI 525p
H1125I6 : HDMI 1125i
H750P : HDMI 750p

**(2) SCREEN MODE**

State of the SCREEN SIZE or MULTI PICTURE is displayed.

**SINGLE SCREEN**

FULL : FULL
1609 : CINEMA, CINEMA ZOOM
PANO : PANORAMA, HD PANORAMA
REGU : REGULAR, SLIM

**MULTI SCREEN**

M2 : TWIN, FREEZE screen
M12 : INDEX screen

### (3) VIDEO STATUS

| | |
|---|---|
| STD | : STANDARD |
| DYN | : DYNAMIC |
| TH | : THEATER |
| GAME | : GAME |

### (4) WHITE BALANCE

| | |
|---|---|
| HIGH | : HIGH |
| LOW | : LOW |

### (5) SETTING ITEM NAME

Setting item name are displayed. The setting item numbers to be displayed are listed below.

| Item No. | Setting item |
|---|---|
| S001 - S009 | Video system setting |
| T001 - T003 | Audio system setting |
| M001 - M224 | Main CPU system setting |
| F001 - F002 | Drive system setting |
| D001 | (NOT USED) |
| Z001 | (NOT USED) |

### (6) SETTING ITEM NO.

Setting item numbers are displayed. For the setting item names to be displayed, refer to "Initial setting value of adjustment mode".

### (7) SETTING VALUE (DATA)

The SETTING VALUE is displayed.

### 4.5.4.3 CHANGE AND MEMORY OF SETTING VALUE

**■SELECTION OF SETTING ITEM**

- **[CH+]** / **[CH-]** key.
  Change the setting items up/ down.

S001... ↔ T001... ↔ M001... ↔ F001... ↔ D001... ↔ Z001...

- **[SLEEP TIMER]** key.
  Switches to the next items.

S001 → T001 → M001 → F001 → D001 → Z001

**■CHANGE OF SETTING VALUE (DATA)**

- **[VOL+]** / **[VOL-]** key.
  Change the setting values up/down.

**■MEMORY OF SETTING VALUE (DATA)**

Changed setting value is memorized by pressing **[MUTING]** key.

## 4.5.5 RGB BOX PATTERN MODE

This mode is used to adjust the DRIVE CIRCUIT.

### 4.5.5.1 HOW TO ENTER THE RGB BOX PATTERN MODE

When the SERVICE MENU SCREEN of SERVICE MODE is displayed, press **[9]** key to enter the **RGB BOX PATTERN MODE (Fig3)**.

### 4.5.5.2 DESCRIPTION OF STATUS DISPLAY OF RGB BOX PATTERN MODE

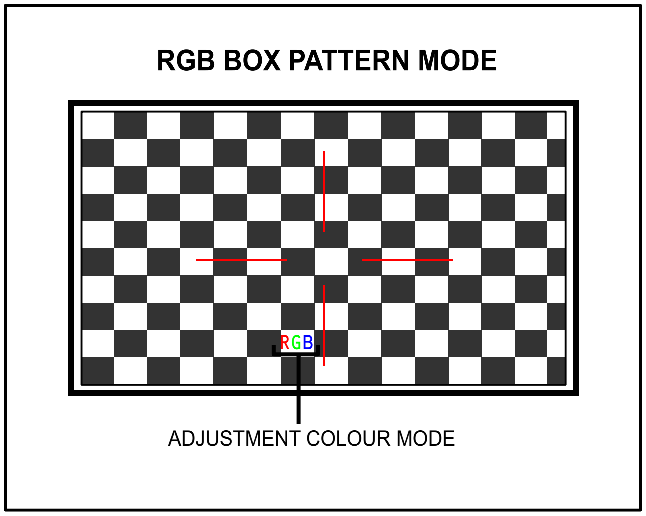


Fig.3

### (1) RGB BOX PATTERN

The checkered pattern is displayed. White is a synthesis of RGB.

### (2) ADJUSTMENT COLOR MODE

Presently selected ADJUSTMENT COLOR MODE is displayed.

**■SELECTION OF SETTING ITEM**

- **[CH+]** / **[CH-]** key.
  Move the selected RGB BOX PATTERN up/ down pixel by pixel.
- **[VOL+]** / **[VOL-]** key.
  Move the selected RGB BOX PATTERN left/ right pixel by pixel.
- **[SLEEP TIMER]** key.
  Adjusts the data reset.
- **[DISPLAY]** key.
  Adjusts the selected COLOR BOX PATTERN.

R → B → RGB

- **[BACK]** key.
  Returns to the SERVICE MENU SCREEN from the RGB BOX PATTERN MODE.

**■MEMORY OF SETTING VALUE (DATA)**

With the RGB BOX PATTERN MODE, the changed date is written in the MEMORY instantly.

## 4.6 INITIAL SETTING VALUES IN THE SERVICE MODE

- Perform fine-tuning based on the "initial values" using the remote control when in the Service mode.
- The "initial values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values. But, don't change the values that are not written in "ADJUSTMENT PROCEDURE". They are fixed values.

### 4.6.1 VIDEO SYSTEM SETTING

| Item No. | Item | Variable range | Setting value |
|---|---|---|---|
| S001 | R DRIVE | 000 - 255 | 136 |
| S002 | G DRIVE | 000 - 255 | 138 |
| S003 | B DRIVE | 000 - 255 | 138 |
| S004 | RESREV | 000 - 255 | 000 |
| S005 | RESREV | 000 - 255 | 002 |
| S006 | RESREV | 000 - 255 | 002 |
| S007 | RESREV | 000 - 255 | 002 |
| S008 | RESREV | 000 - 255 | 002 |
| S009 | RESREV | (Fixed values) | (Fixed values) |

### 4.6.2 AUDIO SYSTEM SETTING

| Item No. | Item | Variable range | Setting value |
|---|---|---|---|
| T001 | INPLEVEL | (Fixed values) | (Fixed values) |
| T002 | LOWSEPA | 000 - 063 | 020 |
| T003 | HIGHSEPA | 000 - 063 | 038 |

### 4.6.3 MAIN CPU SYSTEM SETTING (Fixed values)

| Item No. | Item | Variable range | Setting value |
|---|---|---|---|
| M001 | 1E00 | 00 - FF | 00 |
| M002 | 1E01 | 00 - FF | 00 |
| M003 | 1E02 | 00 - FF | 0A |
| M004 | 1E03 | 00 - FF | 3B |
| M005 | 1E04 | 00 - FF | 10 |
| M006 | 1E05 | 00 - FF | 00 |
| M007 | 1E06 | 00 - FF | 00 |
| M008 | 1E07 | 00 - FF | 00 |
| M009 | 1E08 | 00 - FF | 10 |
| M010 | 1E09 | 00 - FF | 00 |
| M011 | 1E0A | 00 - FF | 05 |
| M012 | 1E0B | 00 - FF | 00 |
| M013 | 1E0C | 00 - FF | 01 |
| M014 | 1E0D | 00 - FF | 00 |
| M015 | 1E0E | 00 - FF | 00 |
| M016 | 1E0F | 00 - FF | 00 |
| M017 | 1E10 | 00 - FF | 00 |
| M018 | 1E11 | 00 - FF | 00 |
| M019 | 1E12 | 00 - FF | 00 |
| M020 | 1E13 | 00 - FF | 01 |
| M021 | 1E14 | 00 - FF | 01 |
| M022 | 1E15 | 00 - FF | 00 |
| M023 | 1E16 | 00 - FF | 00 |
| M024 | 1E17 | 00 - FF | 00 |
| M025 | 1E18 | 00 - FF | 00 |
| M026 | 1E19 | 00 - FF | 00 |
| M027 | 1E1A | 00 - FF | 00 |
| M028 | 1E1B | 00 - FF | 00 |
| M029 | 1E1C | 00 - FF | 00 |
| M030 | 1E1D | 00 - FF | 00 |
| M031 | 1E1E | 00 - FF | 00 |
| M032 | 1E1F | 00 - FF | 00 |
| M033 | 1E20 | 00 - FF | 00 |
| M034 | 1E21 | 00 - FF | 00 |
| M035 | 1E22 | 00 - FF | 00 |
| M036 | 1E23 | 00 - FF | 00 |
| M037 | 1E24 | 00 - FF | 00 |
| M038 | 1E25 | 00 - FF | 00 |
| M039 | 1E26 | 00 - FF | 00 |
| M040 | 1E27 | 00 - FF | 00 |
| M041 | 1E28 | 00 - FF | 00 |
| M042 | 1E29 | 00 - FF | 00 |
| M043 | 1E2A | 00 - FF | 00 |
| M044 | 1E2B | 00 - FF | 00 |
| M045 | 1E2C | 00 - FF | 00 |
| M046 | 1E2D | 00 - FF | 00 |
| M047 | 1E2E | 00 - FF | 00 |
| M048 | 1E2F | 00 - FF | 00 |
| M049 | 1E30 | 00 - FF | 00 |
| M050 | 1E31 | 00 - FF | 00 |
| M051 | 1E32 | 00 - FF | 00 |
| M052 | 1E33 | 00 - FF | 00 |
| M053 | 1E34 | 00 - FF | 00 |
| M054 | 1E35 | 00 - FF | 00 |
| M055 | 1E36 | 00 - FF | 02 |
| M056 | 1E37 | 00 - FF | 00 |
| M057 | 1E38 | 00 - FF | 01 |
| M058 | 1E39 | 00 - FF | 06 |
| M059 | 1E3A | 00 - FF | 10 |
| M060 | 1E3B | 00 - FF | 83 |
| M061 | 1E3C | 00 - FF | 00 |
| M062 | 1E3D | 00 - FF | 00 |
| M063 | 1E3E | 00 - FF | 00 |
| M064 | 1E3F | 00 - FF | 00 |
| M065 | 1E40 | 00 - FF | 00 |
| M066 | 1E41 | 00 - FF | 00 |
| M067 | 1E42 | 00 - FF | 02 |
| M068 | 1E43 | 00 - FF | 03 |
| M069 | 1E44 | 00 - FF | 04 |
| M070 | 1E45 | 00 - FF | 03 |
| M071 | 1E46 | 00 - FF | 02 |
| M072 | 1E47 | 00 - FF | 00 |

| Item No. | Item | Variable range | Setting value |
|---|---|---|---|
| M073 | 1E48 | 00 - FF | 00 |
| M074 | 1E49 | 00 - FF | 00 |
| M075 | 1E4A | 00 - FF | 00 |
| M076 | 1E4B | 00 - FF | 00 |
| M077 | 1E4C | 00 - FF | 00 |
| M078 | 1E4D | 00 - FF | 00 |
| M079 | 1E4E | 00 - FF | 00 |
| M080 | 1E4F | 00 - FF | 00 |
| M081 | 1E50 | 00 - FF | 00 |
| M082 | 1E51 | 00 - FF | 00 |
| M083 | 1E52 | 00 - FF | 00 |
| M084 | 1E53 | 00 - FF | 00 |
| M085 | 1E54 | 00 - FF | 00 |
| M086 | 1E55 | 00 - FF | 00 |
| M087 | 1E56 | 00 - FF | 00 |
| M088 | 1E57 | 00 - FF | 00 |
| M089 | 1E58 | 00 - FF | 00 |
| M090 | 1E59 | 00 - FF | 00 |
| M091 | 1E5A | 00 - FF | 00 |
| M092 | 1E5B | 00 - FF | 00 |
| M093 | 1E5C | 00 - FF | 01 |
| M094 | 1E5D | 00 - FF | 00 |
| M095 | 1E5E | 00 - FF | 00 |
| M096 | 1E5F | 00 - FF | 00 |
| M097 | 1E60 | 00 - FF | 00 |
| M098 | 1E61 | 00 - FF | 00 |
| M099 | 1E62 | 00 - FF | 00 |
| M100 | 1E63 | 00 - FF | 00 |
| M101 | 1E64 | 00 - FF | 00 |
| M102 | 1E65 | 00 - FF | 00 |
| M103 | 1E66 | 00 - FF | 00 |
| M104 | 1E67 | 00 - FF | 00 |
| M105 | 1E68 | 00 - FF | 00 |
| M106 | 1E69 | 00 - FF | 00 |
| M107 | 1E6A | 00 - FF | 02 |
| M108 | 1E6B | 00 - FF | 00 |
| M109 | 1E6C | 00 - FF | 00 |
| M110 | 1E6D | 00 - FF | 00 |
| M111 | 1E6E | 00 - FF | 00 |
| M112 | 1E6F | 00 - FF | 00 |
| M113 | 1E70 | 00 - FF | 00 |
| M114 | 1E71 | 00 - FF | 00 |
| M115 | 1E72 | 00 - FF | 00 |
| M116 | 1E73 | 00 - FF | 00 |
| M117 | 1E74 | 00 - FF | 00 |
| M118 | 1E75 | 00 - FF | 00 |
| M119 | 1E76 | 00 - FF | 00 |
| M120 | 1E77 | 00 - FF | 00 |
| M121 | 1E78 | 00 - FF | 03 |
| M122 | 1E79 | 00 - FF | 00 |

| Item No. | Item | Variable range | Setting value |
|---|---|---|---|
| M123 | 1E7A | 00 - FF | 00 |
| M124 | 1E7B | 00 - FF | 00 |
| M125 | 1E7C | 00 - FF | 00 |
| M126 | 1E7D | 00 - FF | 00 |
| M127 | 1E7E | 00 - FF | 01 |
| M128 | 1E7F | 00 - FF | 00 |
| M129 | 1E80 | 00 - FF | 01 |
| M130 | 1E81 | 00 - FF | 00 |
| M131 | 1E82 | 00 - FF | 01 |
| M132 | 1E83 | 00 - FF | 00 |
| M133 | 1E84 | 00 - FF | 00 |
| M134 | 1E85 | 00 - FF | 00 |
| M135 | 1E86 | 00 - FF | 00 |
| M136 | 1E87 | 00 - FF | 00 |
| M137 | 1E88 | 00 - FF | 00 |
| M138 | 1E89 | 00 - FF | 00 |
| M139 | 1E8A | 00 - FF | 00 |
| M140 | 1E8B | 00 - FF | 00 |
| M141 | 1E8C | 00 - FF | 00 |
| M142 | 1E8D | 00 - FF | 00 |
| M143 | 1E8E | 00 - FF | 00 |
| M144 | 1E8F | 00 - FF | 00 |
| M145 | 1E90 | 00 - FF | 00 |
| M146 | 1E91 | 00 - FF | 00 |
| M147 | 1E92 | 00 - FF | 00 |
| M148 | 1E93 | 00 - FF | 00 |
| M149 | 1E94 | 00 - FF | 00 |
| M150 | 1E95 | 00 - FF | 00 |
| M151 | 1E96 | 00 - FF | 00 |
| M152 | 1E97 | 00 - FF | 00 |
| M153 | 1E98 | 00 - FF | 00 |
| M154 | 1E99 | 00 - FF | 00 |
| M155 | 1E9A | 00 - FF | 01 |
| M156 | 1E9B | 00 - FF | 00 |
| M157 | 1E9C | 00 - FF | 03 |
| M158 | 1E9D | 00 - FF | 00 |
| M159 | 1E9E | 00 - FF | 00 |
| M160 | 1E9F | 00 - FF | 00 |
| M161 | 1EA0 | 00 - FF | 00 |
| M162 | 1EA1 | 00 - FF | 00 |
| M163 | 1EA2 | 00 - FF | 01 |
| M164 | 1EA3 | 00 - FF | 00 |
| M165 | 1EA4 | 00 - FF | 00 |
| M166 | 1EA5 | 00 - FF | 00 |
| M167 | 1EA6 | 00 - FF | 00 |
| M168 | 1EA7 | 00 - FF | 00 |
| M169 | 1EA8 | 00 - FF | 00 |
| M170 | 1EA9 | 00 - FF | 00 |
| M171 | 1EAA | 00 - FF | 00 |
| M172 | 1EAB | 00 - FF | 00 |

| Item No. | Item | Variable range | Setting value |
|---|---|---|---|
| M173 | 1EAC | 00 - FF | 09 |
| M174 | 1EAD | 00 - FF | 00 |
| M175 | 1EAE | 00 - FF | 00 |
| M176 | 1EAF | 00 - FF | 00 |
| M177 | 1EB0 | 00 - FF | 0A |
| M178 | 1EB1 | 00 - FF | 00 |
| M179 | 1EB2 | 00 - FF | 01 |
| M180 | 1EB3 | 00 - FF | 00 |
| M181 | 1EB4 | 00 - FF | 00 |
| M182 | 1EB5 | 00 - FF | 00 |
| M183 | 1EB6 | 00 - FF | 00 |
| M184 | 1EB7 | 00 - FF | 00 |
| M185 | 1EB8 | 00 - FF | 00 |
| M186 | 1EB9 | 00 - FF | 00 |
| M187 | 1EBA | 00 - FF | 00 |
| M188 | 1EBB | 00 - FF | 00 |
| M189 | 1EBC | 00 - FF | 00 |
| M190 | 1EBD | 00 - FF | 00 |
| M191 | 1EBE | 00 - FF | 00 |
| M192 | 1EBF | 00 - FF | 00 |
| M193 | 1EC0 | 00 - FF | 00 |
| M194 | 1EC1 | 00 - FF | 00 |
| M195 | 1EC2 | 00 - FF | 00 |
| M196 | 1EC3 | 00 - FF | 00 |
| M197 | 1EC4 | 00 - FF | 00 |
| M198 | 1EC5 | 00 - FF | 00 |
| M199 | 1EC6 | 00 - FF | 00 |
| M200 | 1EC7 | 00 - FF | 00 |
| M201 | 1EC8 | 00 - FF | 00 |
| M202 | 1EC9 | 00 - FF | 00 |
| M203 | 1ECA | 00 - FF | 00 |
| M204 | 1ECB | 00 - FF | 00 |
| M205 | 1ECC | 00 - FF | 02 |
| M206 | 1ECD | 00 - FF | 00 |
| M207 | 1ECE | 00 - FF | 00 |
| M208 | 1ECF | 00 - FF | 00 |
| M209 | 1ED0 | 00 - FF | 00 |
| M210 | 1ED1 | 00 - FF | 00 |
| M211 | 1ED2 | 00 - FF | 00 |
| M212 | 1ED3 | 00 - FF | 00 |
| M213 | 1ED4 | 00 - FF | 00 |
| M214 | 1ED5 | 00 - FF | FF |
| M215 | 1ED6 | 00 - FF | 00 |
| M216 | 1ED7 | 00 - FF | 00 |
| M217 | 1ED8 | 00 - FF | 00 |
| M218 | 1ED9 | 00 - FF | 00 |
| M219 | 1EDA | 00 - FF | 00 |
| M220 | 1EDB | 00 - FF | 00 |
| M221 | 1EDC | 00 - FF | 00 |
| M222 | 1EDD | 00 - FF | 00 |
| M223 | 1EDE | 00 - FF | 00 |
| M224 | 1EDF | 00 - FF | 00 |

### 4.6.4 DRIVE SYSTEM SETTING (Fixed values)

| Item No. | Item | Variable range | Setting value |
|---|---|---|---|
| F001 | DD | 000 - 001 | 000 |
| F002 | RAM REF | 000 - 001 | 000 |

### 4.6.5 NOT USED (Fixed values)

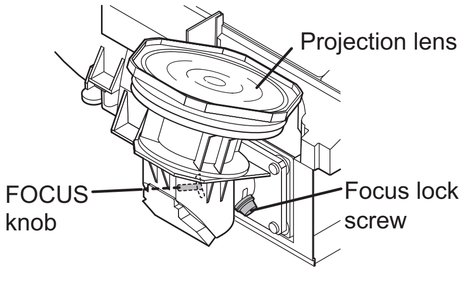
| Item No. | Item | Variable range | Setting value |
|---|---|---|---|
| D001 | RESREV | 000 - 255 | 002 |

### 4.6.6 NOT USED (Fixed values)

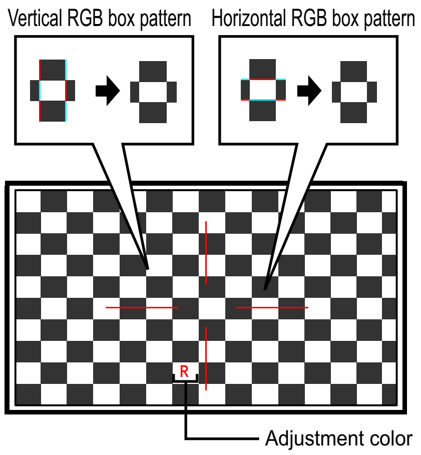
| Item No. | Item | Variable range | Setting value |
|---|---|---|---|
| Z001 | RESREV | 000 - 255 | 002 |

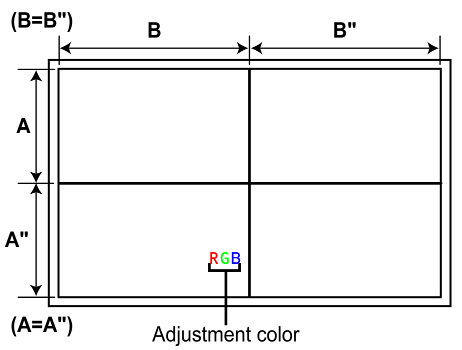
## 4.7 ADJUSTMENT PROCEDURE

### 4.7.1 FOCUS

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **LENS FOCUS** | Hexagon wrench (2.5mm) | | FOCUS knob<br>[PROJECTION LENS] | (1) Remove the SPEAKER GRILL and CENTER PANEL.<br>(2) Display the MENU screen.<br>(3) Loosen the focus lock screw.<br>(4) Adjust the **FOCUS knob** so that the center screen may become the best focus.<br>(5) Fix the focus lock screw by using the Hexagon wrench.<br>• On this occasion, hold the FOCUS knob with your left hand.<br>(6) Confirm the whole focus of the best screen.<br>(7) Install the CENTER PANEL and SPEAKER GRILL. |
| <br> | | | | |

### 4.7.2 DRIVE CIRCUIT

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **DRIVE CONVERGENCE** | Remote control unit | | [9.RGB BOX PATTERN] | (1) Set to **"0 minutes"** using the **[SLEEP TIMER]** key.<br>(2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, to enter the SERVICE MODE.<br>(3) Press the **[9]** key, to select "**RGB BOX PATTERN MODE**" from the SERVICE MODE.<br>(4) Set the adjustment color mode to "R" to set the red color adjustment mode.<br>(5) At Horizontal RGB box pattern, adjust the top edge position as same or less than 0.5 pixel hight as green.<br>(6) At Vertical RGB box pattern, adjust the right edge position as same or less than 0.5 pixel hight as green.<br>(7) Set the adjustment color mode to "B" to set the blue color adjustment mode.<br>(8) At Horizontal RGB box pattern, adjust the top edge position as same or less than 0.5 pixel hight as green.<br>(9) At Vertical RGB box pattern, adjust the right edge position as same or less than 0.5 pixel hight as green.<br>(10) Check to see that the cross pattern is white. If the cross pattern is not white, repeat the step 4. to 9. as abobe.<br>**NOTE:**<br>• Green is a fixed. (It can not be removed.)<br>• With this adjustment mode, the changed data is written in the MEMORY instantly. |
| <br> Vertical RGB box pattern<br>Horizontal RGB box pattern<br>R<br>Adjustment color | | | | |

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **DRIVE CENTER POSITION** | Remote control unit<br>Signal generator | | [9.RGB BOX PATTERN] | (1) Receive a center cross (or crosshatch) pattern.<br>(2) Set to **"0 minutes"** using the **[SLEEP TIMER]** key.<br>(3) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, to enter the SERVICE MODE.<br>(4) Press the **[9]** key, to select "**RGB BOX PATTERN MODE**" from the SERVICE MODE.<br>(5) Set the adjustment color mode to "RGB" to set the display position adjustment mode.<br>(6) Adjust the top and the bottom width to make **A** and **A"** even.<br>(7) Adjust the left and the right width to make **B** and **B"** even.<br>**NOTE:**<br>• With this adjustment mode, the changed data is written in the MEMORY instantly. |
|  (B=B")<br>B<br>B"<br>A<br>A"<br>RGB<br>(A=A")<br>Adjustment color | | | | |

### 4.7.3 VIDEO CIRCUIT

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **WHITE BALANCE (HIGHLIGHT)** | Remote control unit<br>Signal generator | | [1.ADJUST]<br>S001: R DRIVE (Red drive)<br>S002: G DRIVE (Green drive)<br>S003: B DRIVE (Blue drive) | (1) Receive a NTSC 75% all white pattern.<br>(2) Set "VIDEO STATUS" to **"STANDARD"**.<br>(3) Set "ASPECT" to **"FULL"**.<br>(4) Select "COLOR TEMPERATURE" to **"LOW"**.<br>(5) Select **"1.ADJUST"** from the SERVICE MODE.<br>(6) Adjust to keep one of **< S001 >** (Red drive), **< S002 >** (Green drive) or **< S003 >** (Blue drive) unchanged, then lower the other two so that the all-white screen is equally white throughout.<br>**NOTE:**<br>Set one or more of **< S001 >**, **< S002 >**, and **< S003 >** to **"138"**.<br>(7) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it.<br>(8) Press the **[MUTING]** key to memoirze the set value. |

# SECTION 5
# TROUBLESHOOTING

## 5.1 SELF CHECK FEATURE

### 5.1.1 OUTLINE

This unit comes with the "Self check" feature, which checks the operational state of the circuit and displays/saves it during failure.Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time.Diagnosis is displayed in 2 ways via screen display and LED flashes. Failure detection is based on input state of $I^2C$ bus and the various control lines connected to the main microcomputer.

### 5.1.2 HOW TO ENTER THE SELF CHECK MODE

Before entering the Self check mode, confirm that the setting of **MONITOR/CATV** SW of the REMOTE CONTROL UNIT is at the **"MONITOR"** side and the setting of **VCR/DVD** SW is at the **"VCR"** side. If the switches have not been properly set, you cannot enter the Self check mode.

(1) Set to "**0 minutes**" using the **[SLEEP TIMER]** key.
(2) While **"0 minutes"** is displayed, press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the service mode.
(3) Press the **[2]** key (SELF CHECK) before the service mode screen disappears.
(4) Self check mode screen is displayed.
(5) Press the **[SLEEP TIMER]** key to enter Page 2 of the SELF CHECK MODE.
  - When the **[RETURN+]** key pressed, the first page change screen.

**NOTE:**

When a number key other than the **[2]** key is pressed in the SERVICE MENU SCREEN, the other relevant screen may be displayed.
This is not used in the SELF CHECK. Press the **[MENU]** key to return to the SERVICE MENU SCREEN.

### 5.1.3 HOW TO EXIT THE SELF CHECK MODE

**TO SAVE FAILURE HISTORY:**

Turn off the power by unplugging the AC power cord plug when in the Self check mode.

**TO CLEAR (RESET) FAILURE HISTORY:**

Turn off the power by pressing the **[POWER]** key on the remote control unit when in the Self check mode.

### 5.1.4 FAILURE HISTORY

Failure history can be counted up to 9 times for each item. When the number exceeds 9, display will remain as 9. Failure history will be stored in the memory unless it has been deleted.

**NOTE:**

Only SYNC (with/without sync signals) will be neither counted nor stored.

### 5.1.5 POINTS TO NOTE WHEN USING THE SELF CHECK FEATURE

In addition to circuit failures (abnormal operation), the following cases may also be diagnosed as "Abnormal" and displayed and counted as "NG".

(1) Temporary defective transmissions across circuits due to pulse interruptions
(2) Misalignment in the on/off timing of power for $I^2C$ bus (VCC) when turning on/off the main power.

Diagnosis may be impeded if a large number of items are displayed as "NG". As such, start Self check check only after 3 seconds in the case of receivers and 5 seconds in the case of panels upon turning on the power. If recurrences are expected, ensure to clear (reset) the failure history and record the new diagnosis reults.

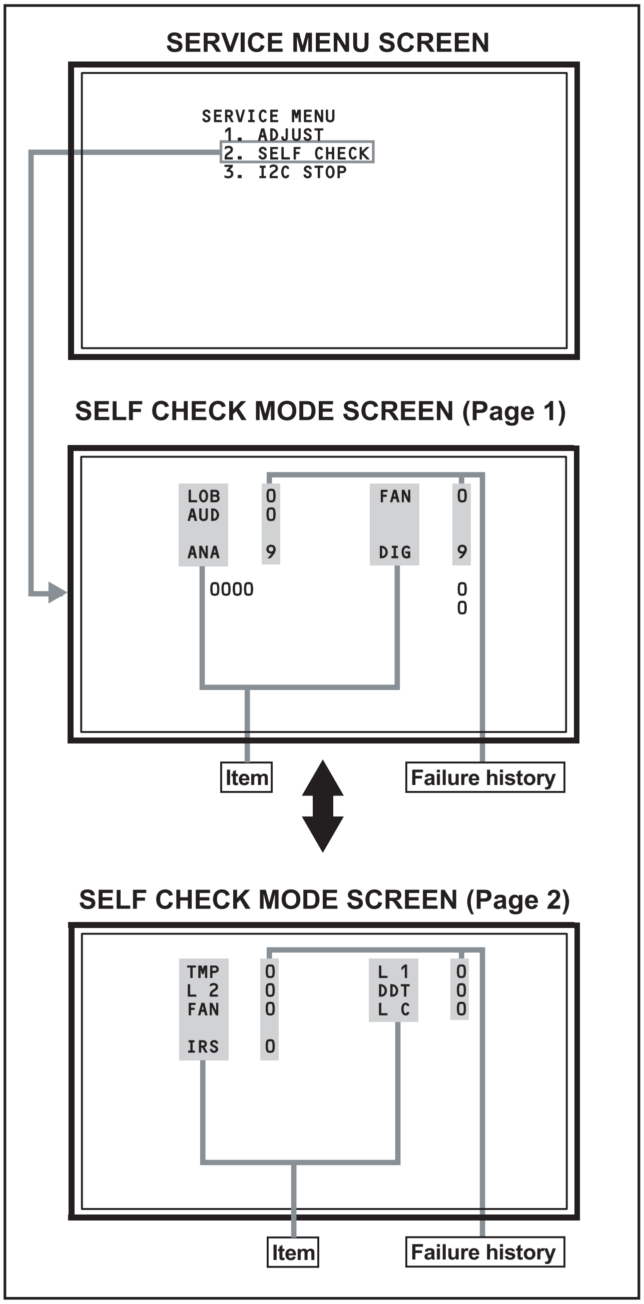


Fig.1

### 5.1.6 DETAILS

Self check is performed for the following items:

**< Page 1 of screen >**

| Detection item | Display | Detection content | Diagnosis signal (line) | Detection timing |
|---|---|---|---|---|
| Low bias line short protection | LOB | Detection of the low bias line(5V/9V/12V) short.<br>Q9821, Q9831, Q9861 **[POWER PWB]** | LB_PRO | Detection starts 3 seconds after the power is turned on. If error continues between 1 second the power is turned off. |
| Fan lock | FAN | Not used | ---- | ---- |
| Audio | AUD | Not used | ---- | ---- |
| Devices on the ANALOG PWB | ANA | Confirmation of reply of ACK signal which uses $I^2C$ communication.<br>IC101, IC102, IC381, IC601, IC606, IC061 **[ANALOG PWB]** | SDA | Detection starts 3 seconds after the power is turned on. If it checks whenever $I^2C$ communication is performed and no reply of ACK signal an error will be counted. |
| Devices on the DIGITAL PWB | DIG | Confirmation of reply of ACK signal which uses $I^2C$ communication.<br>IC6401 **[DIGITAL PWB]** | SDA | Detection starts 3 seconds after the power is turned on. If it checks whenever $I^2C$ communication is performed and no reply of ACK signal an error will be counted. |

**< Page 2 of screen >**

| Detection item | Display | Detection content | Diagnosis signal (line) | Detection timing |
|---|---|---|---|---|
| Temp. sensor | TMP | Confirmation of the abnormal inner cabinet temperature. (53°C)<br>IC2001 **[TEMP PWB]** | TXD | It will count if the serial communication from a DD MICOM is always supervised and an error occurs. |
| Lamp does not light up | L1 | Confirm that the lamp dose not light up.<br>CN3011 **[DRIVE PWB]** | TXD | It will count if the serial communication from a DD MICOM is always supervised and an error occurs. |
| Lamp goes out | L2 | Confirm that the lamp dose not goes out.<br>CN3011 **[DRIVE PWB]** | TXD | It will count if the serial communication from a DD MICOM is always supervised and an error occurs. |
| Abnormal DD CPU circuit | DDT | Confirmation of the serial communication error between DRIVE PWB and DIGITAL PWB.<br>IC3701 **[DRIVE PWB]** | TXD | It will count if the serial communication error is error occurs. |
| Fan lock | FAN | Confirmation of the lock signals outputting the operation(circuit) status of the cooling fan.<br>IC8005 **[FAN PWB]** | TXD | It will count if the serial communication from a DD MICOM is always supervised and an error occurs. |
| Lamp cover open | LC | Confirmation of the interlock switch status for the lamp cover.<br>S0861 **[LAMP COVER PWB]** | TXD | It will count if the serial communication from a DD MICOM is always supervised and an error occurs. |
| Abnormal of optical iris | IRS | Not used | TXD | It will count if the serial communication from a DD MICOM is always supervised and an error occurs. |

### 5.1.7 DISPLAY METHOD WHEN RASTER IS NOT AVAILABLE

In a state where a display screen does not appear due to the failure of this unit, the POWER LED (blue) and LAMP/PROGRAM LED (orange) can be flushing and display a trouble mode.

The factors in case the power is forcibly shut down at the time of failure are memorized and those are displayed.

| **Check item** | **Contents** | **Classifications** | **LED flash cycle** | |
|---|---|---|---|---|
| | | | **POWER LED (BLUE)** | **LAMP/ PROGRAM LED (ORANGE)** |
| Fan lock (stop) and CABLE CARD error for ATSC tuner | MAIN CPU detects the command of the Fan lock (stop) and CABLE CARD error which ATSC TUNER MODULE has detected.<br>IC7601 **[DIGITAL PWB]** | 1 | --- | 2 sec interval |
| Low bias line short protection | Detection of the low bias line(5V/9V/12V) short.<br>Q9821, Q9831, Q9861 **[POWER PWB**] | 2 | --- | 1 sec interval |
| Lamp cover open | Detection of the interlock switch status for the lamp cover. (H = Abnormal)<br>S0861 **[LAMP COVER PWB]** | 3 | 0.1 sec interval Simultaneously | |
| Lamp goes out | Detection of lamp return (LAMP_RTN) signals output depending on the status of the lamp supply electric current monitored constantly within the lamp ballast unit. (H = Off)<br>CN3011 **[DRIVE PWB]** | 6 | 0.1 sec interval Simultaneously | |
| Lamp does not light up | Detection of lamp return (LAMP_RTN) signals output depending on the status of the lamp supply electric current monitored constantly within the lamp ballast unit. (H = Off)<br>CN3011 **[DRIVE PWB]** | 6 | 0.1 sec interval Simultaneously | |
| Fan lock (stop) for optical system | Detection of LOCK signals outputting the operation (circuit) status of the cooling fan. (H=Abnormal)<br>IC8005 **[FAN PWB]** | 4 | 0.5 sec interval Alternately | |
| Abnormal DD CPU circuit | Detection of serial communication error between MAIN DRIVE PWB and RECEIVER PWB.<br>IC3701 **[DRIVE PWB]** | 5 | 0.5 sec interval Alternately | |
| Abnormal D-ILA DEVICE temperature | Detection of abnormal inner cabinet temperature. (53°C)<br>IC2001 **[TEMP PWB]** | 7 | 0.5 sec interval Alternately | |

**EXPLANATION ON ACTION**

If NG is detected on an item being diagnosed, turn off the power on this unit. As soon as the power goes off, turn on and off POWER LED and LAMP LED immediately. After the power is shut down, it becomes impossible to turn on the power until the power cable is either plugged in or unplugged from the AC outlet.

- When the error of [1] or [2] occur, [3], [4], [5], [6], [7] are no longer recognized.

Victor Company of Japan, Limited
ILA Display Category 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

Printed in Japan
VPT

JVC

# SCHEMATIC DIAGRAMS

## D-ILA PROJECTION TELEVISION

# HD-52G587, HD-61G587

CD-ROM No.SML200606

| BASIC CHASSIS |
|---|
| RA2 |

HD-ILA™ Powered by D-ILA

GENESSA

HDTV

HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE

[HD-52G857]

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No.YA399
2006/6

# HD-52G587, HD-61G587

# STANDARD CIRCUIT DIAGRAM

## ■ NOTE ON USING CIRCUIT DIAGRAMS

### 1.SAFETY

**The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.**

### 2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : Colour bar signal

(2)Setting positions of each knob/button and variable resistor : Original setting position when shipped

(3)Internal resistance of tester : DC 20kΩ/V

(4)Oscilloscope sweeping time : H ⇒ 20μs / div
: V ⇒ 5ms / div
: Otthers ⇒ Sweeping time is specified

(5)Voltage values : All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

### 3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R209 → R209

### 4.INDICATIONS ON THE CIRCUIT DIAGRAM

**(1)Resistors**

- Resistance value

No unit : [Ω]
K : [kΩ]
M : [MΩ]

- Rated allowable power

No indication : 1/16 [W]
Others : As specified

- Type

No indication : Carbon resistor
OMR : Oxide metal film resistor
MFR : Metal film resistor
MPR : Metal plate resistor
UNFR : Uninflammable resistor
FR : Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

**(2)Capacitors**

- Capacitance value

1 or higher : [pF]
less than 1 : [μF]

- Withstand voltage

No indication : DC50[V]
Others : DC withstand voltage [V]
AC indicated : AC withstand voltage [V]

∗ Electrolytic Capacitors
47/50[Example]: Capacitance value [μF]/withstand voltage[V]

- Type

No indication : Ceramic capacitor
MM : Metalized mylar capacitor
PP : Polypropylene capacitor
MPP : Metalized polypropylene capacitor
MF : Metalized film capacitor
TF : Thin film capacitor
BP : Bipolar electrolytic capacitor
TAN : Tantalum capacitor

**(3)Coils**

No unit : [μH]
Others : As specified

**(4)Power Supply**

═ : B1
▬▬▬▬ : B2 (12V)
■□■□ : 9V
□□□□ : 5V

∗Respective voltage values are indicated

**(5)Test point**

◉ : Test point
○ : Only test point display

**(6)Connecting method**

▭ : Connector
○ : Wrapping or soldering
→≻ →⊁ : Receptacle

**(7)Ground symbol**

⊥ : LIVE side ground
⏊ : ISOLATED(NEUTRAL) side ground
⏚ : EARTH ground
▽ : DIGITAL ground

### 5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : ( ⊥ ) side GND and the ISOLATED(NEUTRAL) : ( ⏊ ) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus ( oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

**NOTE**

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
**When ordering parts, please use the numbers that appear in the Parts List.**

# SEMICONDUCTOR SHAPES

## TRANSISTOR

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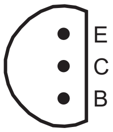
<td>
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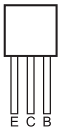
<td>
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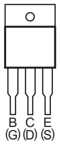
<td>
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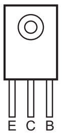
<td>
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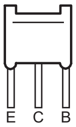
<td>
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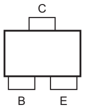
<td>CHIP TR<br>
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## IC

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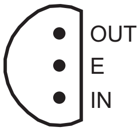
<td>
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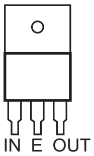
<td>
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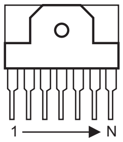
<td>
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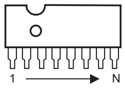
<td>
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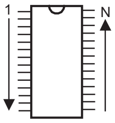
<td>
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## CHIP IC

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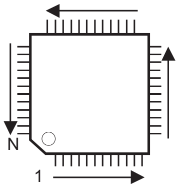
<td>
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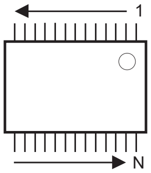
<td>
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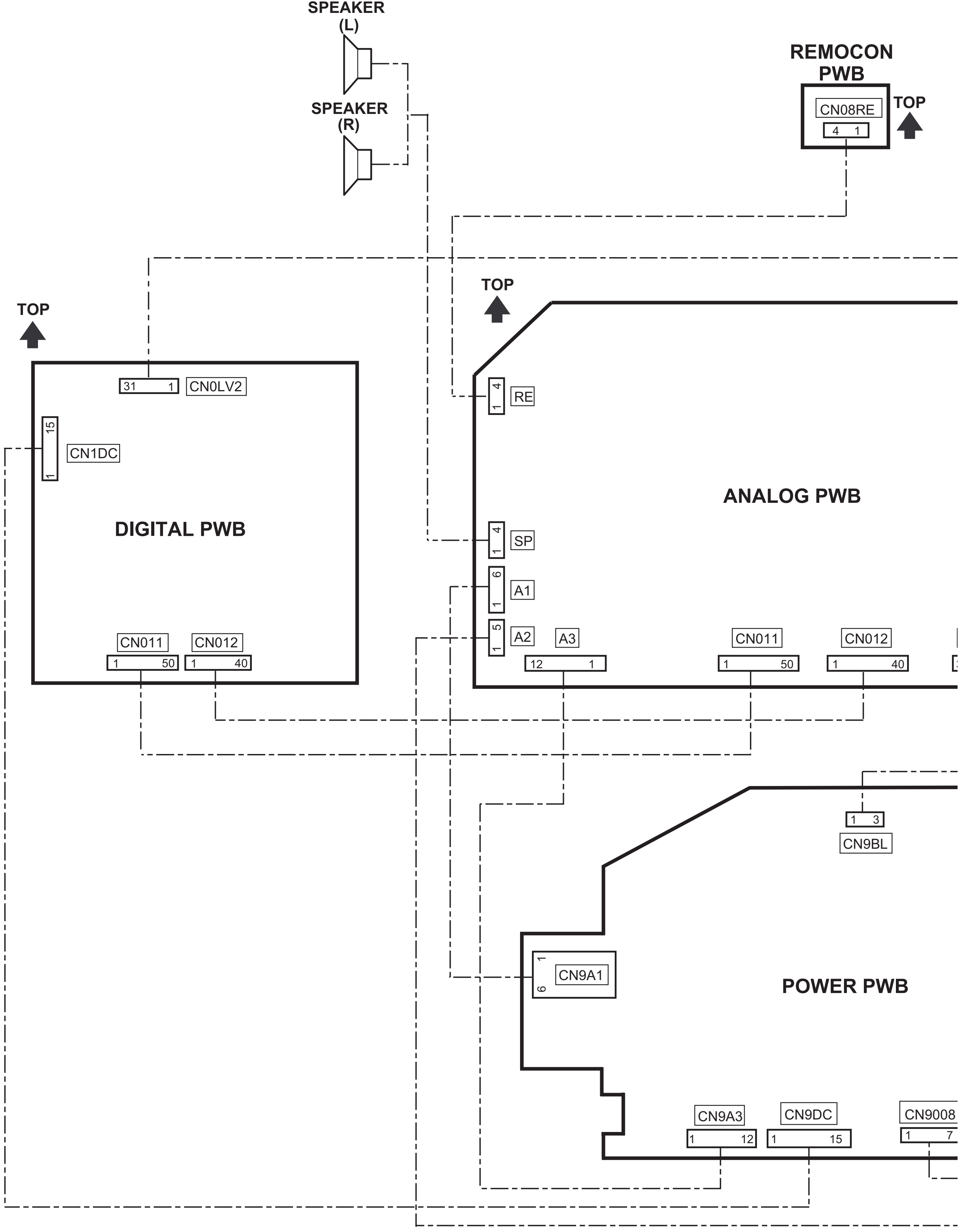
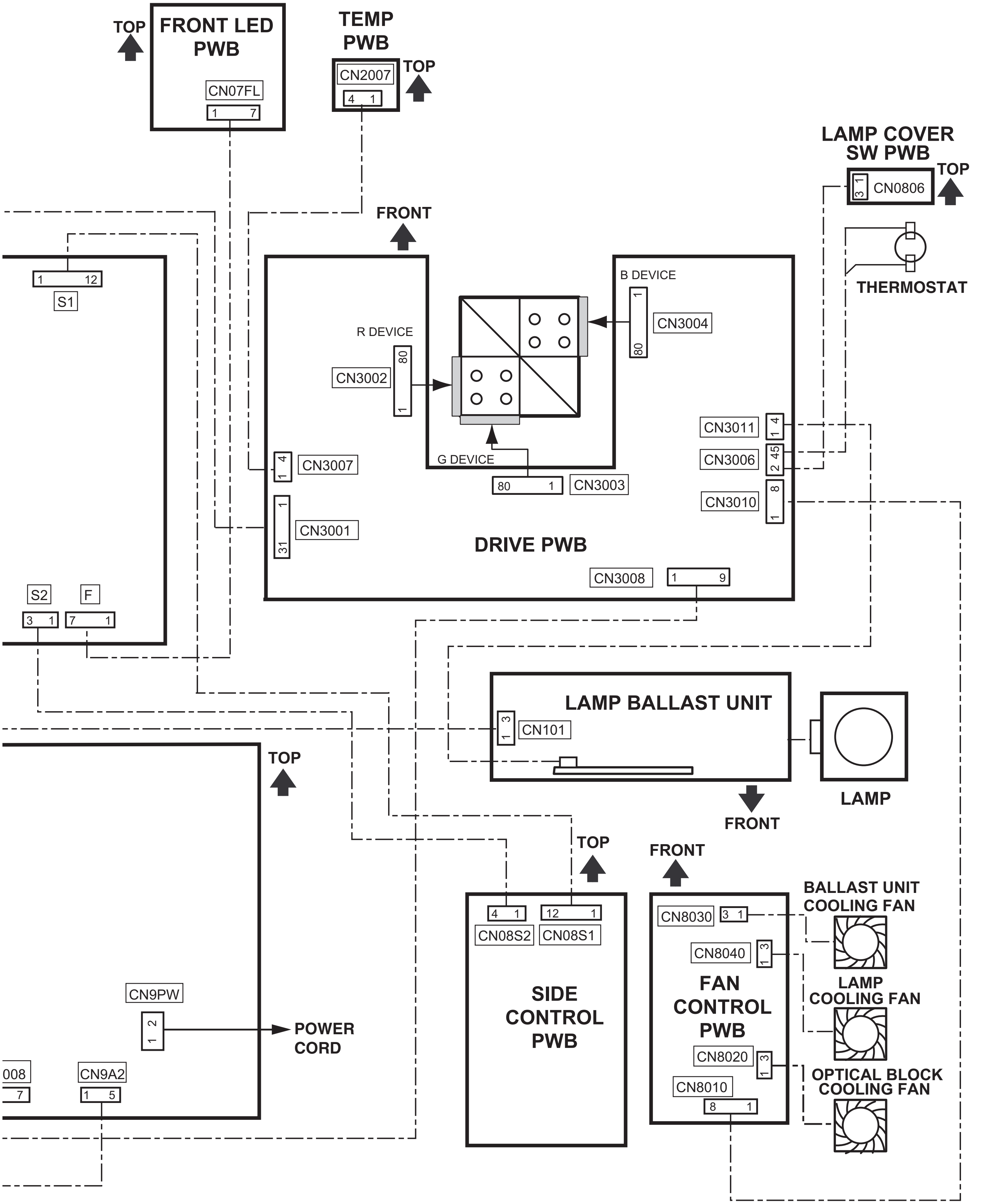
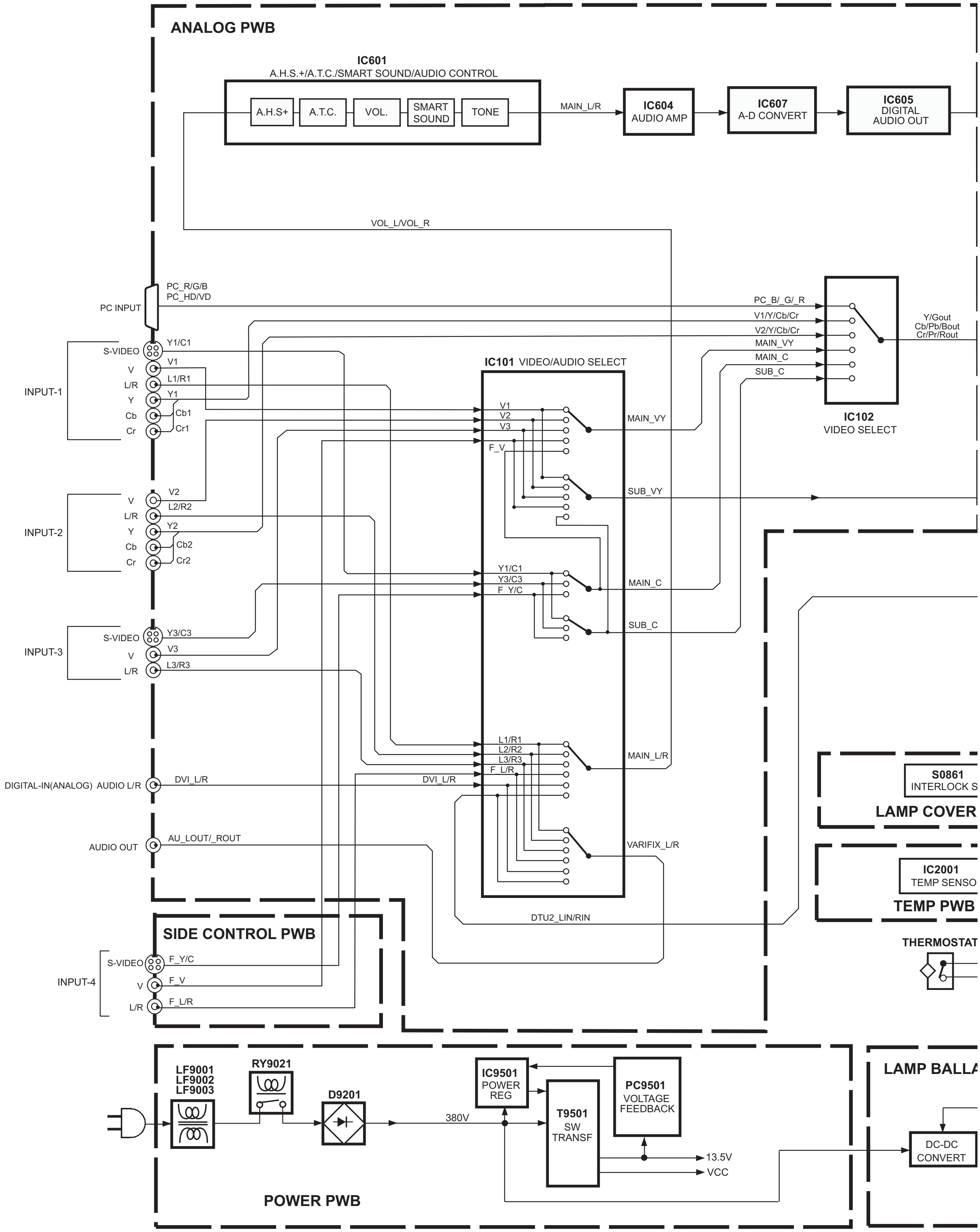
# WIRING DIAGRAM

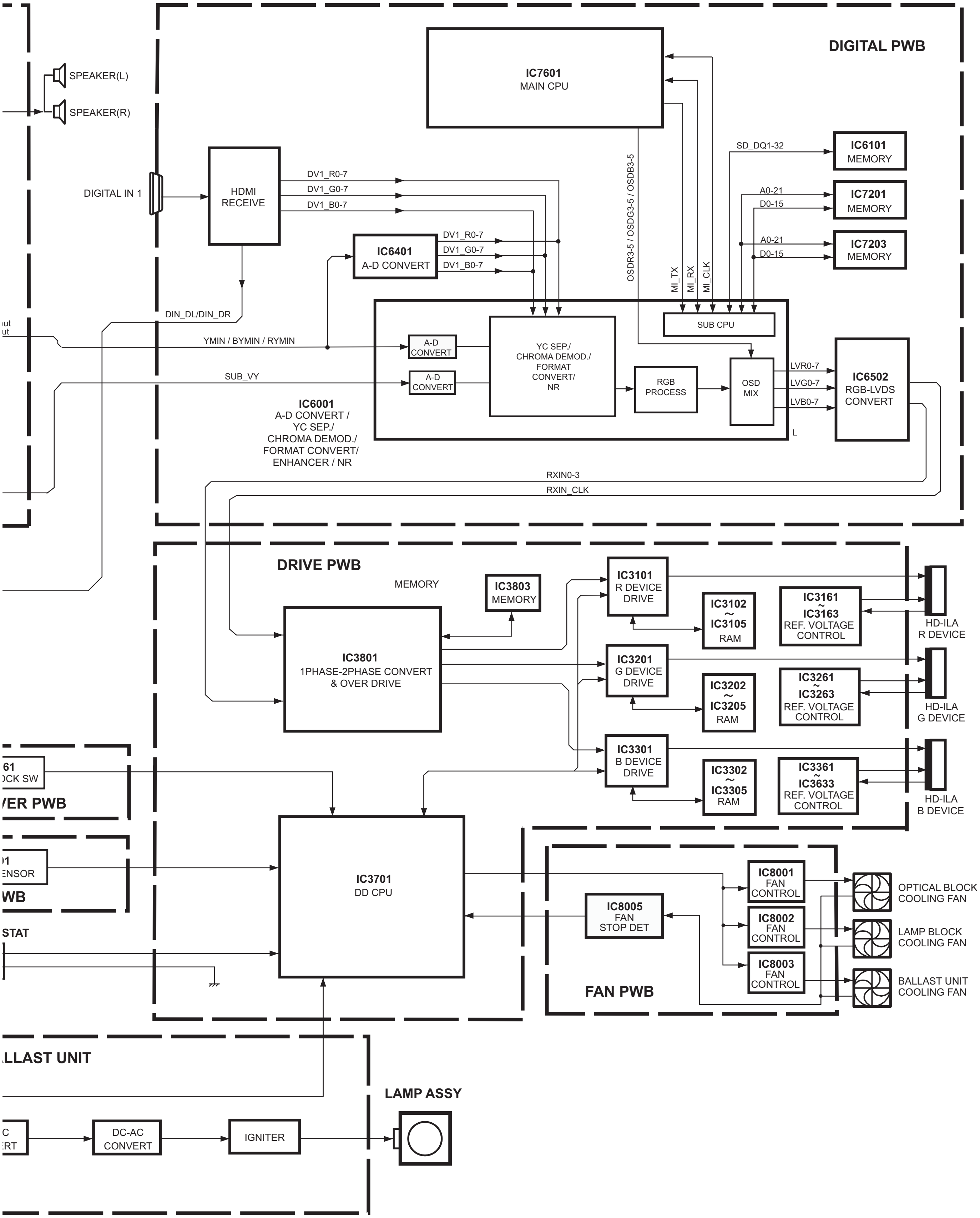


SPEAKER (L)
SPEAKER (R)
REMOCON PWB
CN08RE
4 1
TOP
TOP
TOP
31 1
CN0LV2
15
CN1DC
1
DIGITAL PWB
CN011
1 50
CN012
1 40
RE
1 4
ANALOG PWB
SP
1 4
A1
1 6
A2
1 5
A3
12 1
CN011
1 50
CN012
1 40
1 3
CN9BL
1
CN9A1
6
POWER PWB
CN9A3
1 12
CN9DC
1 15
CN9008
1 7


TOP
FRONT LED PWB
CN07FL
1 7
TEMP PWB
CN2007
4 1
TOP
LAMP COVER SW PWB
TOP
3 1
CN0806
THERMOSTAT
FRONT
1 12
S1
B DEVICE
1
CN3004
80
R DEVICE
80
CN3002
1
G DEVICE
CN3011
1 4
CN3006
2 45
CN3010
8
1
4
1
CN3007
80 1
CN3003
1
CN3001
31
DRIVE PWB
CN3008
1 9
S2
F
3 1
7 1
LAMP BALLAST UNIT
3
1
CN101
LAMP
FRONT
TOP
TOP
FRONT
4 1
12 1
CN08S2
CN08S1
SIDE CONTROL PWB
CN8030
3 1
BALLAST UNIT COOLING FAN
CN8040
1 3
FAN CONTROL PWB
LAMP COOLING FAN
CN8020
1 3
OPTICAL BLOCK COOLING FAN
CN8010
8 1
CN9PW
1 2
POWER CORD
008
7
CN9A2
1 5

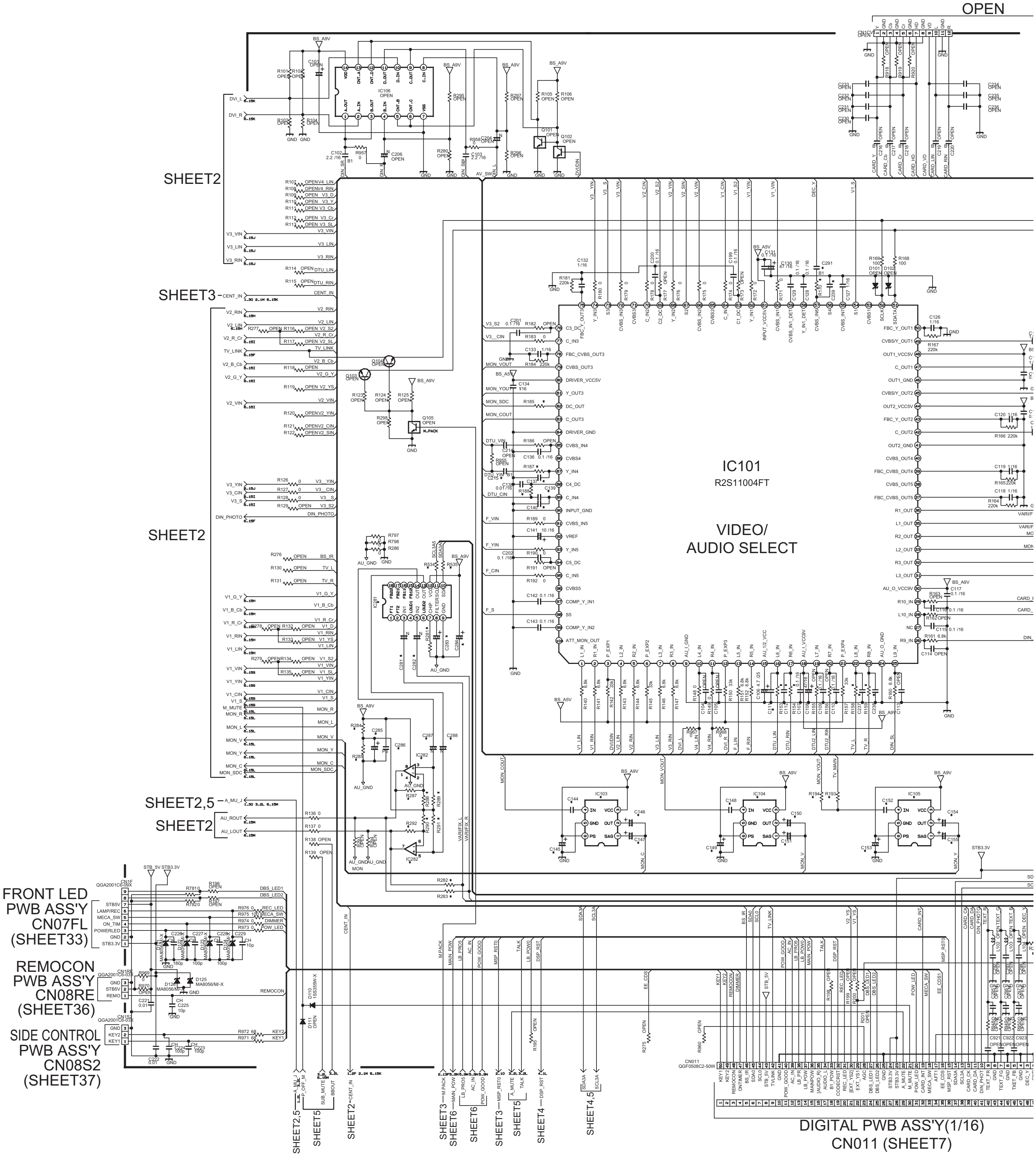
# BLOCK DIAGRAM


ANALOG PWB
IC601
A.H.S.+/A.T.C./SMART SOUND/AUDIO CONTROL
A.H.S+
A.T.C.
VOL.
SMART SOUND
TONE
MAIN_L/R
IC604
AUDIO AMP
IC607
A-D CONVERT
IC605
DIGITAL AUDIO OUT
VOL_L/VOL_R
PC INPUT
PC_R/G/B
PC_HD/VD
PC_B/_G/_R
V1/Y/Cb/Cr
V2/Y/Cb/Cr
MAIN_VY
MAIN_C
SUB_C
Y/Gout
Cb/Pb/Bout
Cr/Pr/Rout
IC102
VIDEO SELECT
INPUT-1
S-VIDEO
V
L/R
Y
Cb
Cr
Y1/C1
V1
L1/R1
Y1
Cb1
Cr1
IC101 VIDEO/AUDIO SELECT
V1
V2
V3
F_V
MAIN_VY
SUB_VY
INPUT-2
V
L/R
Y
Cb
Cr
V2
L2/R2
Y2
Cb2
Cr2
Y1/C1
Y3/C3
F_Y/C
MAIN_C
SUB_C
INPUT-3
S-VIDEO
V
L/R
Y3/C3
V3
L3/R3
L1/R1
L2/R2
L3/R3
F_L/R
MAIN_L/R
DIGITAL-IN(ANALOG) AUDIO L/R
DVI_L/R
DVI_L/R
AUDIO OUT
AU_LOUT/_ROUT
VARIFIX_L/R
DTU2_LIN/RIN
S0861
INTERLOCK S
LAMP COVER
IC2001
TEMP SENSO
TEMP PWB
THERMOSTAT
SIDE CONTROL PWB
INPUT-4
S-VIDEO
V
L/R
F_Y/C
F_V
F_L/R
LF9001
LF9002
LF9003
RY9021
D9201
380V
IC9501
POWER REG
T9501
SW TRANSF
PC9501
VOLTAGE FEEDBACK
13.5V
VCC
POWER PWB
LAMP BALLA
DC-DC CONVERT


DIGITAL PWB
SPEAKER(L)
SPEAKER(R)
DIGITAL IN 1
HDMI RECEIVE
IC7601
MAIN CPU
SD_DQ1-32
IC6101
MEMORY
A0-21
D0-15
IC7201
MEMORY
A0-21
D0-15
IC7203
MEMORY
DV1_R0-7
DV1_G0-7
DV1_B0-7
IC6401
A-D CONVERT
DV1_R0-7
DV1_G0-7
DV1_B0-7
OSDR3-5 / OSDG3-5 / OSDB3-5
MI_TX
MI_RX
MI_CLK
SUB CPU
DIN_DL/DIN_DR
ut
ut
YMIN / BYMIN / RYMIN
A-D CONVERT
SUB_VY
A-D CONVERT
YC SEP./ CHROMA DEMOD./ FORMAT CONVERT/ NR
RGB PROCESS
OSD MIX
LVR0-7
LVG0-7
LVB0-7
L
IC6502
RGB-LVDS CONVERT
IC6001
A-D CONVERT / YC SEP./ CHROMA DEMOD./ FORMAT CONVERT/ ENHANCER / NR
RXIN0-3
RXIN_CLK
DRIVE PWB
MEMORY
IC3803
MEMORY
IC3801
1PHASE-2PHASE CONVERT & OVER DRIVE
IC3101
R DEVICE DRIVE
IC3102 ~ IC3105
RAM
IC3161 ~ IC3163
REF. VOLTAGE CONTROL
HD-ILA R DEVICE
IC3201
G DEVICE DRIVE
IC3202 ~ IC3205
RAM
IC3261 ~ IC3263
REF. VOLTAGE CONTROL
HD-ILA G DEVICE
IC3301
B DEVICE DRIVE
IC3302 ~ IC3305
RAM
IC3361 ~ IC3633
REF. VOLTAGE CONTROL
HD-ILA B DEVICE
61
CK SW
VER PWB
01
ENSOR
WB
STAT
IC3701
DD CPU
IC8005
FAN STOP DET
IC8001
FAN CONTROL
IC8002
FAN CONTROL
IC8003
FAN CONTROL
OPTICAL BLOCK COOLING FAN
LAMP BLOCK COOLING FAN
BALLAST UNIT COOLING FAN
FAN PWB
LLAST UNIT
LAMP ASSY
C
ERT
DC-AC CONVERT
IGNITER

# CIRCUIT DIAGRAMS

*ANALOG PWB CIRCUIT DIAGRAM (1/16) SHEET1*


OPEN
SHEET2
SHEET3
SHEET2
SHEET2,5
SHEET2
IC101
R2S11004FT
VIDEO/
AUDIO SELECT
IC106
IC103
IC104
IC105
IC281
IC282
Q101
Q102
Q103
Q104
Q105
FRONT LED
PWB ASS'Y
CN07FL
(SHEET33)
REMOCON
PWB ASS'Y
CN08RE
(SHEET36)
SIDE CONTROL
PWB ASS'Y
CN08S2
(SHEET37)
SHEET2,5
SHEET5
SHEET2
SHEET3
SHEET6
SHEET6
SHEET3
SHEET5
SHEET4
SHEET4,5
DIGITAL PWB ASS'Y(1/16)
CN011 (SHEET7)
CN011
QGF0508C2-50W
BS_A9V
BS_A5V
STB3.3V
STB_5V

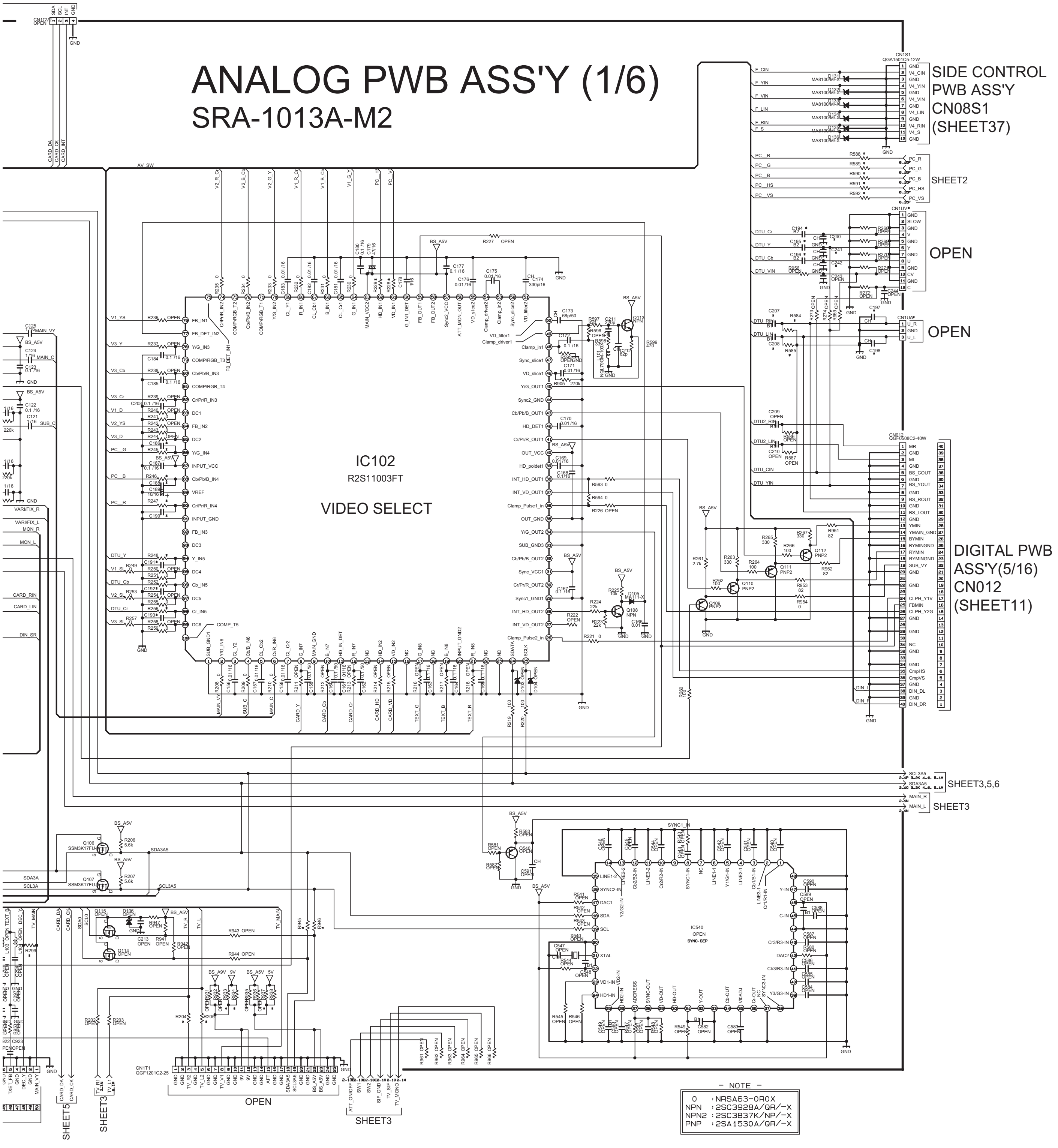
| | MONITOR OUT | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | HD-61G887A<br>HD-56G887A<br>HD-52G887A | HD-61G657A<br>HD-56G657A<br>HD-52G657A | HD-61G587A<br>HD-52G587A | HD-61G567A<br>HD-52G567A | HD-70FH97A<br>HD-61FH97A<br>HD-56FH97A<br>HD-52FH97A | HD-70FN97A<br>HD-61FN97A<br>HD-56FN97A<br>HD-52FN97A | HD-61FC97A<br>HD-56FC97A | HD-56FM97A |
| | OLLC09896 | OLLC10118 | OLLC10118<br>-02 | | OLLC10494 | OLLC10494<br>-02 | | |
| IC103 | OPEN | OPEN | OPEN | OPEN | MM1510XN-X | MM1510XN-X | MM1510XN-X | OPEN |
| IC104 | OPEN | OPEN | OPEN | OPEN | MM1510XN-X | MM1510XN-X | MM1510XN-X | OPEN |
| IC105 | OPEN | OPEN | OPEN | OPEN | MM1510XN-X | MM1510XN-X | MM1510XN-X | OPEN |
| C144 | OPEN | OPEN | OPEN | OPEN | 1/16 | 1/16 | 1/16 | OPEN |
| C145 | OPEN | OPEN | OPEN | OPEN | 10/16 | 10/16 | 10/16 | OPEN |
| C146 | OPEN | OPEN | OPEN | OPEN | 100/10 | 100/10 | 100/10 | OPEN |
| C147 | OPEN | OPEN | OPEN | OPEN | 10/16 | 10/16 | 10/16 | OPEN |
| C148 | OPEN | OPEN | OPEN | OPEN | 1/16 | 1/16 | 1/16 | OPEN |
| C149 | OPEN | OPEN | OPEN | OPEN | 10/16 | 10/16 | 10/16 | OPEN |
| C150 | OPEN | OPEN | OPEN | OPEN | 100/10 | 100/10 | 100/10 | OPEN |
| C151 | OPEN | OPEN | OPEN | OPEN | 10/16 | 10/16 | 10/16 | OPEN |
| C152 | OPEN | OPEN | OPEN | OPEN | 1/16 | 1/16 | 1/16 | OPEN |
| C153 | OPEN | OPEN | OPEN | OPEN | 10/16 | 10/16 | 10/16 | OPEN |
| C154 | OPEN | OPEN | OPEN | OPEN | 100/10 | 100/10 | 100/10 | OPEN |
| C155 | OPEN | OPEN | OPEN | OPEN | 10/16 | 10/16 | 10/16 | OPEN |
| R185 | OPEN | OPEN | OPEN | OPEN | 0 | 0 | 0 | OPEN |
| R194 | OPEN | OPEN | OPEN | OPEN | 0 | 0 | 0 | OPEN |

| | VARIABLE AUDIO | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | HD-61G887A<br>HD-56G887A<br>HD-52G887A | HD-61G657A<br>HD-56G657A<br>HD-52G657A | HD-61G587A<br>HD-52G587A | HD-61G567A<br>HD-52G567A | HD-70FH97A<br>HD-61FH97A<br>HD-56FH97A<br>HD-52FH97A | HD-70FN97A<br>HD-61FN97A<br>HD-56FN97A<br>HD-52FN97A | HD-61FC97A<br>HD-56FC97A | HD-56FM97A |
| | OLLC09896 | OLLC10118 | OLLC10118<br>-02 | | OLLC10494 | OLLC10494<br>-02 | | |
| IC281 | OPEN | OPEN | OPEN | OPEN | BD3869AF-X | BD3869AF-X | OPEN | OPEN |
| IC282 | OPEN | OPEN | OPEN | OPEN | RC4558D-X | RC4558D-X | OPEN | OPEN |
| R281 | OPEN | OPEN | OPEN | OPEN | 0 | 0 | OPEN | OPEN |
| R282 | 0 | 0 | 0 | 0 | OPEN | OPEN | 0 | 0 |
| R283 | 0 | 0 | 0 | 0 | OPEN | OPEN | 0 | 0 |
| R284 | OPEN | OPEN | OPEN | OPEN | 4.7k | 4.7k | OPEN | OPEN |
| R285 | OPEN | OPEN | OPEN | OPEN | 4.7k | 4.7k | OPEN | OPEN |
| R287 | OPEN | OPEN | OPEN | OPEN | 15k | 15k | OPEN | OPEN |
| R288 | OPEN | OPEN | OPEN | OPEN | 15k | 15k | OPEN | OPEN |
| R289 | OPEN | OPEN | OPEN | OPEN | 10k | 10k | OPEN | OPEN |
| R290 | OPEN | OPEN | OPEN | OPEN | 15k | 15k | OPEN | OPEN |
| R291 | OPEN | OPEN | OPEN | OPEN | 10k | 10k | OPEN | OPEN |
| R292 | OPEN | OPEN | OPEN | OPEN | 15k | 15k | OPEN | OPEN |
| R534 | OPEN | OPEN | OPEN | OPEN | 100 | 100 | OPEN | OPEN |
| R535 | OPEN | OPEN | OPEN | OPEN | 100 | 100 | OPEN | OPEN |

| | VARIABLE AUDIO | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | HD-61G887A<br>HD-56G887A<br>HD-52G887A | HD-61G657A<br>HD-56G657A<br>HD-52G657A | HD-61G587A<br>HD-52G587A | HD-61G567A<br>HD-52G567A | HD-70FH97A<br>HD-61FH97A<br>HD-56FH97A<br>HD-52FH97A | HD-70FN97A<br>HD-61FN97A<br>HD-56FN97A<br>HD-52FN97A | HD-61FC97A<br>HD-56FC97A | HD-56FM97A |
| | OLLC09896 | OLLC10118 | OLLC10118<br>-02 | | OLLC10494 | OLLC10494<br>-02 | | |
| C281 | OPEN | OPEN | OPEN | OPEN | 4.7/16 | 4.7/16 | OPEN | OPEN |
| C282 | OPEN | OPEN | OPEN | OPEN | 4.7/16 | 4.7/16 | OPEN | OPEN |
| C283 | OPEN | OPEN | OPEN | OPEN | 22/25 | 22/25 | OPEN | OPEN |
| C284 | OPEN | OPEN | OPEN | OPEN | 100/16 | 100/16 | OPEN | OPEN |
| C285 | OPEN | OPEN | OPEN | OPEN | 47/16 | 47/16 | OPEN | OPEN |
| C286 | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 | OPEN | OPEN |
| C287 | OPEN | OPEN | OPEN | OPEN | 4.7/16 | 4.7/16 | OPEN | OPEN |
| C288 | OPEN | OPEN | OPEN | OPEN | 4.7/16 | 4.7/16 | OPEN | OPEN |

| | PC IN | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | HD-61G887A<br>HD-56G887A<br>HD-52G887A | HD-61G657A<br>HD-56G657A<br>HD-52G657A | HD-61G587A<br>HD-52G587A | HD-61G567A<br>HD-52G567A | HD-70FH97A<br>HD-61FH97A<br>HD-56FH97A<br>HD-52FH97A | HD-70FN97A<br>HD-61FN97A<br>HD-56FN97A<br>HD-52FN97A | HD-61FC97A<br>HD-56FC97A | HD-56FN97A |
| | OLLC09896 | OLLC10118 | OLLC10118<br>-02 | | OLLC10494 | OLLC10494<br>-02 | | |
| R228 | 0 | OPEN | 0 | OPEN | 0 | 0 | OPEN | 0 |
| R229 | 0 | OPEN | 0 | OPEN | 0 | 0 | OPEN | 0 |
| R245 | 0 | OPEN | 0 | OPEN | 0 | 0 | OPEN | 0 |
| R246 | 0 | OPEN | 0 | OPEN | 0 | 0 | OPEN | 0 |
| R247 | 0 | OPEN | 0 | OPEN | 0 | 0 | OPEN | 0 |
| R588 | 0 | OPEN | 0 | OPEN | 0 | 0 | OPEN | 0 |
| R589 | 0 | OPEN | 0 | OPEN | 0 | 0 | OPEN | 0 |
| R590 | 0 | OPEN | 0 | OPEN | 0 | 0 | OPEN | 0 |
| R591 | 0 | OPEN | 0 | OPEN | 0 | 0 | OPEN | 0 |
| R592 | 0 | OPEN | 0 | OPEN | 0 | 0 | OPEN | 0 |
| C186 | OPEN | 0.1/16 | OPEN | 0.1/16 | OPEN | OPEN | 0.1/16 | OPEN |
| C188 | OPEN | 0.1/16 | OPEN | 0.1/16 | OPEN | OPEN | 0.1/16 | OPEN |
| C190 | OPEN | 0.1/16 | OPEN | 0.1/16 | OPEN | OPEN | 0.1/16 | OPEN |

# ANALOG PWB ASS'Y (1/6)
## SRA-1013A-M2



IC102
R2S11003FT
VIDEO SELECT
IC540
OPEN
SYNC SEP
SIDE CONTROL PWB ASS'Y CN08S1 (SHEET37)
SHEET2
OPEN
OPEN
DIGITAL PWB ASS'Y(5/16) CN012 (SHEET11)
SHEET3,5,6
SHEET3
CN1S1
QGA1501C5-12W
CN012
QGF0508C2-40W
CN1T1
QGF1201C2-25
OPEN
SHEET5
SHEET3
SHEET3
AV_SW
CARD_DA
CARD_CK
CARD_INT
SCL3A5
SDA3A5
MAIN_R
MAIN_L
Q106 SSM3K17FU
Q107 SSM3K17FU
Q108 NPN
Q109 PNP2
Q110 PNP2
Q111 PNP2
Q112 PNP2
Q113 NPN
Q114 OPEN
Q115 OPEN
Q540 OPEN
BS_A5V
GND

- NOTE -

| | |
|---|---|
| 0 | :NRSA63-0R0X |
| NPN | :2SC3928A/QR/-X |
| NPN2 | :2SC3837K/NP/-X |
| PNP | :2SA1530A/QR/-X |

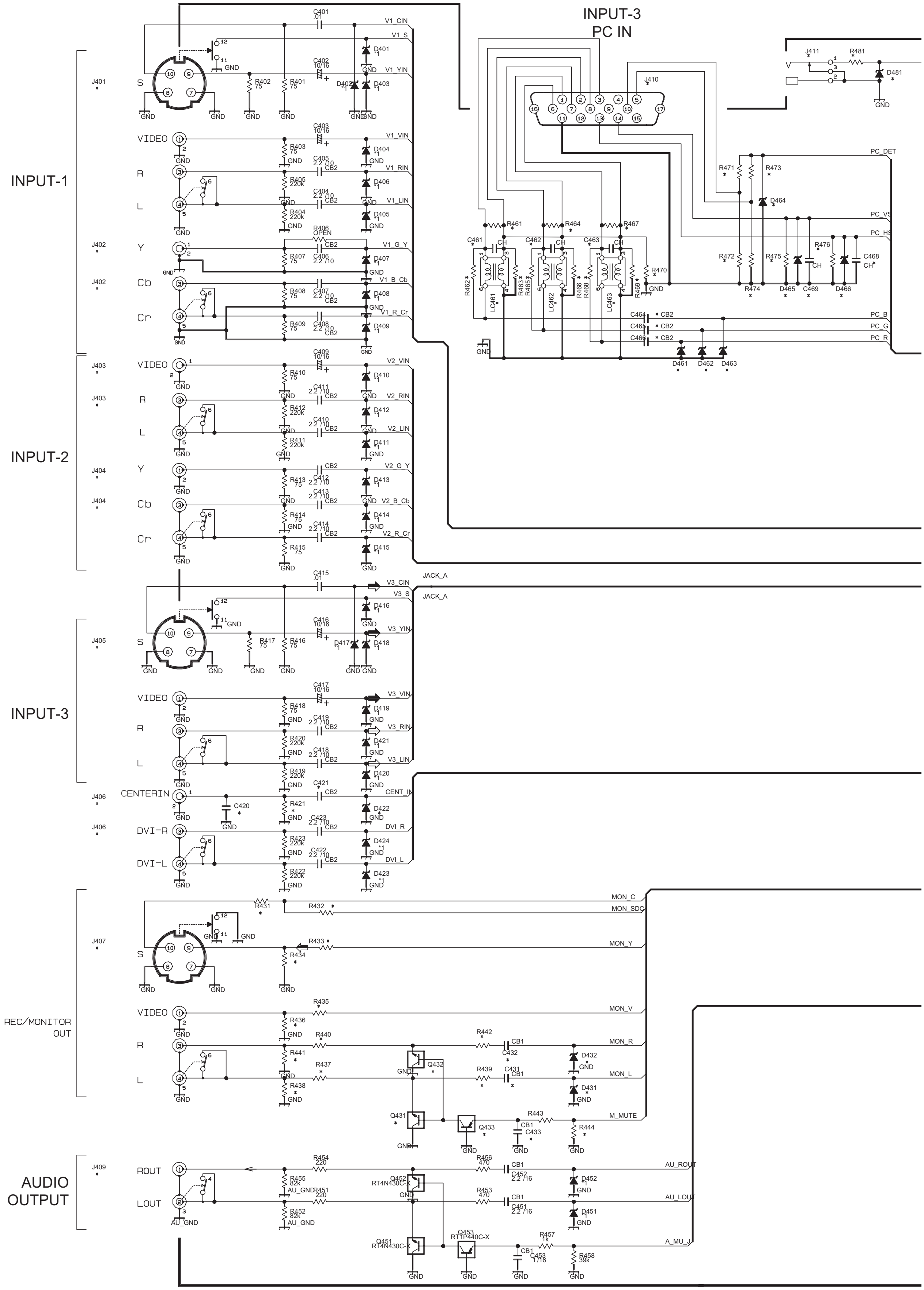
| DIGITAL TUNER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | HD-61G887A<br>HD-56G887A<br>HD-52G887A | HD-61G657A<br>HD-56G657A<br>HD-52G657A | HD-61G587A<br>HD-52G587A | HD-61G567A<br>HD-52G567A | HD-70FH97A<br>HD-61FH97A<br>HD-56FH97A<br>HD-52FH97A | HD-70FN97A<br>HD-61FN97A<br>HD-56FN97A<br>HD-52FN97A | HD-61FC97A<br>HD-56FC97A | HD-56FW97A |
| | OLLC09896 | OLLC10118 | OLLC10118-02 | | OLLC10494 | OLLC10494-02 | | |
| CNUV | QGA2001C6-12X | QGA2001C6-12X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| CNUA | QGA2001C6-03X | QGA2001C6-03X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R153 | 6.8k | 6.8k | OPEN | OPEN | 6.8k | 6.8k | 6.8k | OPEN |
| R154 | 6.8k | 6.8k | OPEN | OPEN | 6.8k | 6.8k | 6.8k | OPEN |
| R248 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R252 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R256 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R584 | 10k | 10k | OPEN | OPEN | 10k | 10k | 10k | OPEN |
| R585 | 10k | 10k | OPEN | OPEN | 10k | 10k | 10k | OPEN |
| C111 | OPEN | OPEN | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | 0.1/16 |
| C112 | OPEN | OPEN | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | 0.1/16 |
| C191 | OPEN | OPEN | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 |
| C192 | OPEN | OPEN | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 |
| C193 | OPEN | OPEN | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 |
| C194 | 2.2/10 | 2.2/10 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C195 | 2.2/10 | 2.2/10 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C196 | 2.2/10 | 2.2/10 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C207 | 2.2/16 | 2.2/16 | OPEN | OPEN | 2.2/16 | 2.2/16 | 2.2/16 | OPEN |
| C208 | 2.2/16 | 2.2/16 | OPEN | OPEN | 2.2/16 | 2.2/16 | 2.2/16 | OPEN |

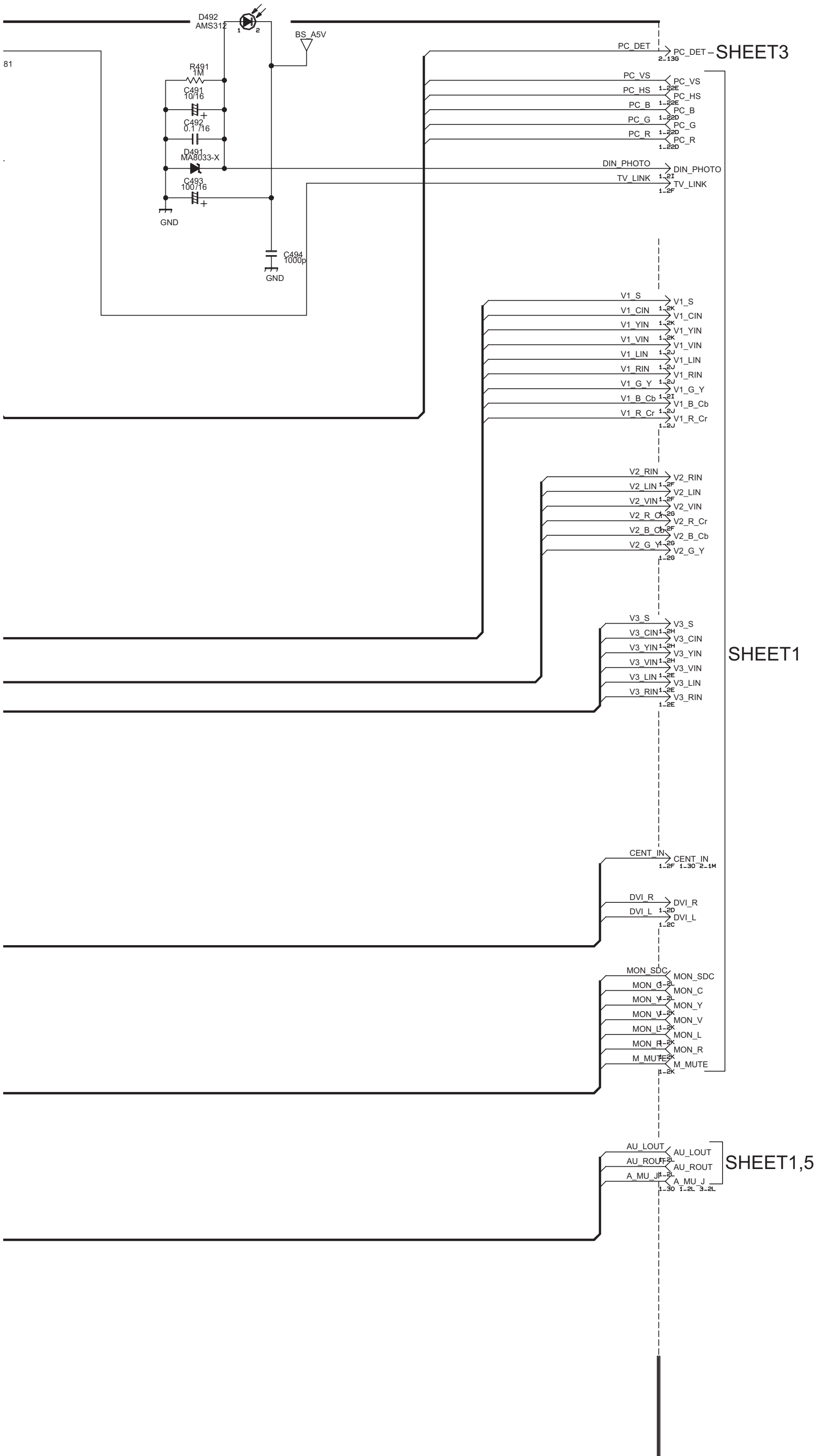
| DIGITAL TUNER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | HD-61G887A<br>HD-56G887A<br>HD-52G887A | HD-61G657A<br>HD-56G657A<br>HD-52G657A | HD-61G587A<br>HD-52G587A | HD-61G567A<br>HD-52G567A | HD-70FH97A<br>HD-61FH97A<br>HD-56FH97A<br>HD-52FH97A | HD-70FN97A<br>HD-61FN97A<br>HD-56FN97A<br>HD-52FN97A | HD-61FC97A<br>HD-56FC97A | HD-56FW97A |
| | OLLC09896 | OLLC10118 | OLLC10118-02 | | OLLC10494 | OLLC10494-02 | | |
| R187 | OPEN | OPEN | OPEN | OPEN | 0 | 0 | 0 | OPEN |
| R188 | OPEN | OPEN | OPEN | OPEN | 10k | 10k | 10k | OPEN |
| C215 | OPEN | OPEN | OPEN | OPEN | 10/10 | 10/10 | 10/10 | OPEN |
| C137 | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | 0.1/16 |
| C139 | OPEN | OPEN | OPEN | OPEN | 1/16 | 1/16 | 1/16 | OPEN |
| C140 | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | 0.1/16 |
| C240 | 10p | 10p | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C241 | 10p | 10p | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C242 | 10p | 10p | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C197 | 100p | 100p | OPEN | 100p | OPEN | OPEN | OPEN | OPEN |
| C198 | 100p | 100p | OPEN | 100p | OPEN | OPEN | OPEN | OPEN |

| ANALOG TUNER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | HD-61G887A<br>HD-56G887A<br>HD-52G887A | HD-61G657A<br>HD-56G657A<br>HD-52G657A | HD-61G587A<br>HD-52G587A | HD-61G567A<br>HD-52G567A | HD-70FH97A<br>HD-61FH97A<br>HD-56FH97A<br>HD-52FH97A | HD-70FN97A<br>HD-61FN97A<br>HD-56FN97A<br>HD-52FN97A | HD-61FC97A<br>HD-56FC97A | HD-56FW97A |
| | OLLC09896 | OLLC10118 | OLLC10118-02 | | OLLC10494 | OLLC10494-02 | | |
| R158 | 6.8k | 6.8k | OPEN | 6.8k | 6.8k | 6.8k | 6.8k | OPEN |
| R159 | 6.8k | 6.8k | OPEN | 6.8k | 6.8k | 6.8k | 6.8k | OPEN |
| R170 | 0 | 0 | OPEN | 0 | 0 | 0 | 0 | OPEN |
| R204 | 0 | 0 | OPEN | 0 | 0 | 0 | 0 | OPEN |
| R205 | 0 | 0 | OPEN | 0 | 0 | 0 | 0 | OPEN |
| R299 | 0 | 0 | OPEN | 0 | 0 | 0 | 0 | OPEN |
| R933 | 0 | 0 | OPEN | 0 | 0 | 0 | 0 | OPEN |
| R934 | 0 | 0 | OPEN | 0 | 0 | 0 | 0 | OPEN |
| R937 | 0 | 0 | OPEN | 0 | 0 | 0 | 0 | OPEN |
| R938 | 0 | 0 | OPEN | 0 | 0 | 0 | 0 | OPEN |
| R945 | 0 | 0 | OPEN | 0 | 0 | 0 | 0 | OPEN |
| R946 | 0 | 0 | OPEN | 0 | 0 | 0 | 0 | OPEN |
| C237 | OPEN | OPEN | 0.1/16 | OPEN | OPEN | OPEN | OPEN | 0.1/16 |
| C238 | OPEN | OPEN | 0.1/16 | OPEN | OPEN | OPEN | OPEN | 0.1/16 |
| C239 | OPEN | OPEN | 0.1/16 | OPEN | OPEN | OPEN | OPEN | 0.1/16 |
| C291 | 10/10 | 10/10 | OPEN | 10/10 | 10/10 | 10/10 | 10/10 | OPEN |

c10447001_0214_1/6_0.0

# ANALOG PWB CIRCUIT DIAGRAM (2/6) SHEET 2


INPUT-3
PC IN
INPUT-1
INPUT-2
INPUT-3
REC/MONITOR OUT
AUDIO OUTPUT
J401
J402
J403
J404
J405
J406
J407
J409
J410
J411
S
VIDEO
R
L
Y
Cb
Cr
CENTERIN
DVI-R
DVI-L
ROUT
LOUT
V1_CIN
V1_S
V1_YIN
V1_VIN
V1_RIN
V1_LIN
V1_G_Y
V1_B_Cb
V1_R_Cr
V2_VIN
V2_RIN
V2_LIN
V2_G_Y
V2_B_Cb
V2_R_Cr
V3_CIN
V3_S
V3_YIN
V3_VIN
V3_RIN
V3_LIN
CENT_IN
DVI_R
DVI_L
JACK_A
PC_DET
PC_VS
PC_HS
PC_B
PC_G
PC_R
MON_C
MON_SDC
MON_Y
MON_V
MON_R
MON_L
M_MUTE
AU_ROUT
AU_LOUT
A_MU_J
C401 .01
C402 10/16
C403 10/16
C404 2.2 /10
C405 2.2 /10
C406 2.2 /10
C407 2.2 /10
C408 2.2 /10
C409 10/16
C410 2.2 /10
C411 2.2 /10
C412 2.2 /10
C413 2.2 /10
C414 2.2 /10
C415 .01
C416 10/16
C417 10/16
C418 2.2 /10
C419 2.2 /10
C420
C421
C422 2.2 /10
C423 2.2 /10
C431
C432
C433
C451 2.2 /16
C452 2.2 /16
C453 1/16
C461
C462
C463
C464
C465
C466
C468
C469
R401 75
R402 75
R403 75
R404 220k
R405 220k
R406 OPEN
R407 75
R408 75
R409 75
R410 75
R411 220k
R412 220k
R413 75
R414 75
R415 75
R416 75
R417 75
R418 75
R419 220k
R420 220k
R421
R422 220k
R423 220k
R431
R432
R433
R434
R435
R436
R437
R438
R439
R440
R441
R442
R443
R444
R451 220
R452 82k
R453 470
R454 220
R455 82k
R456 470
R457 1k
R458 39k
R461
R462
R463
R464
R465
R466
R467
R468
R469
R470
R471
R472
R473
R474
R475
R476
R481
D401
D402
D403
D404
D405
D406
D407
D408
D409
D410
D411
D412
D413
D414
D415
D416
D417
D418
D419
D420
D421
D422
D423
D424
D431
D432
D451
D452
D461
D462
D463
D464
D465
D466
D481
LC461
LC462
LC463
Q431
Q432
Q433
Q451 RT4N430C-X
Q452 RT4N430C-X
Q453 RT1P440C-X
CB1
CB2
CH
GND
AU_GND



# ANALOG PWB ASS'Y (2/6)

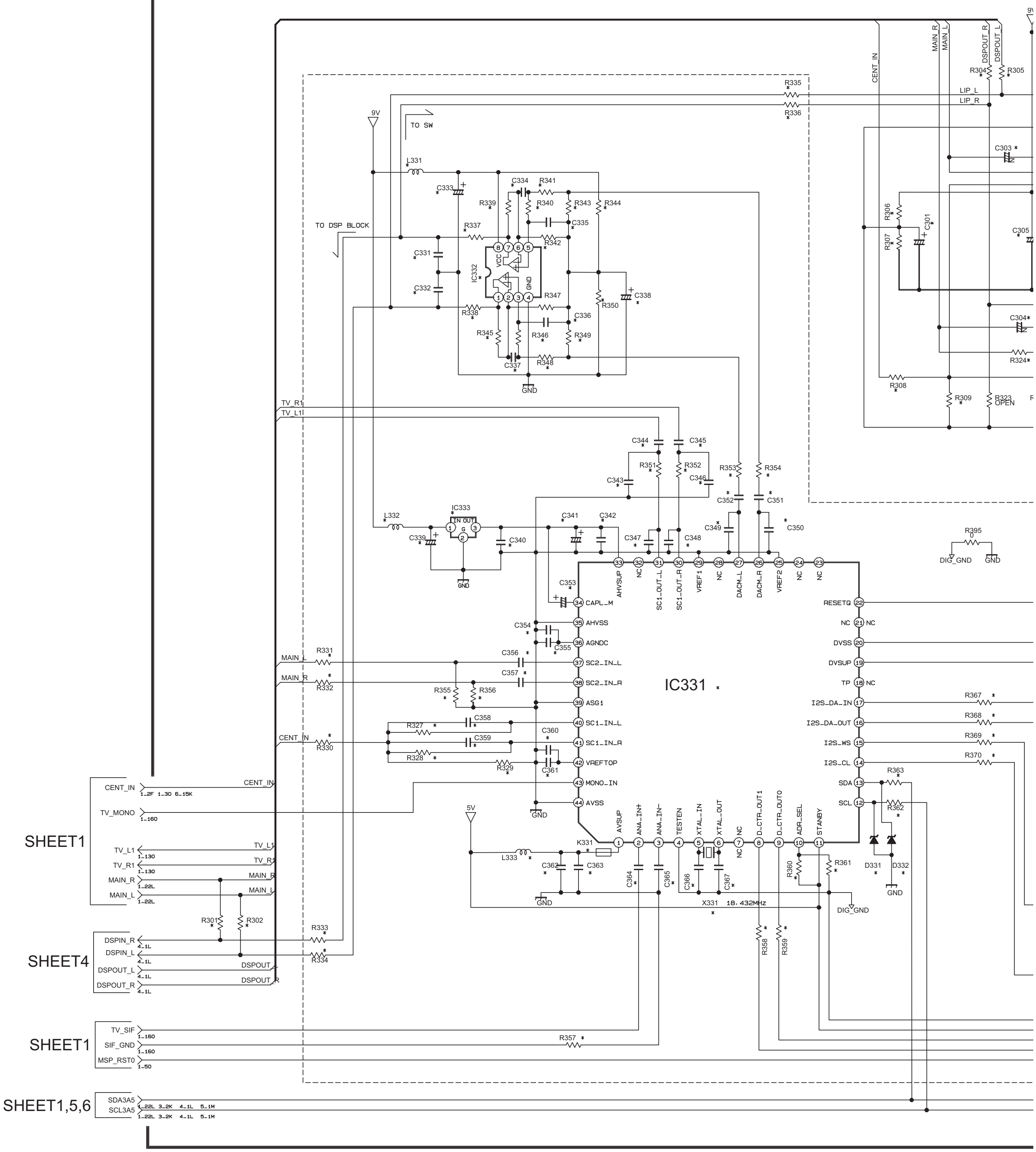
## SRA-1013A-M2

| | | HD-61G887A<br>HD-56G887A<br>HD-52G887A | HD-61G657A<br>HD-56G657A<br>HD-52G657A | HD-61G587A<br>HD-52G587A | HD-61G567A<br>HD-52G567A |
|---|---|---|---|---|---|
| | | OLLC09896 | OLLC10118 | OLLC10118 -02 | |
| IR | J411 | OPEN | OPEN | OPEN | OPEN |
| | R481 | OPEN | OPEN | OPEN | OPEN |
| | D481 | OPEN | OPEN | OPEN | OPEN |
| CENTER CH | J406 | QNN0766 -001 | QNN0766 -001 | QNN0766 -001 | QNN0766 -001 |
| | C420 | OPEN | OPEN | OPEN | OPEN |
| | C421 | OPEN | OPEN | OPEN | OPEN |
| | R421 | OPEN | OPEN | OPEN | OPEN |
| | D422 | OPEN | OPEN | OPEN | OPEN |
| MONITOR | J407 | OPEN | OPEN | OPEN | OPEN |
| | R431 | OPEN | OPEN | OPEN | OPEN |
| | R432 | OPEN | OPEN | OPEN | OPEN |
| | R433 | OPEN | OPEN | OPEN | OPEN |
| | R434 | OPEN | OPEN | OPEN | OPEN |
| | R435 | OPEN | OPEN | OPEN | OPEN |
| | R436 | OPEN | OPEN | OPEN | OPEN |
| | R437 | OPEN | OPEN | OPEN | OPEN |
| | R438 | OPEN | OPEN | OPEN | OPEN |
| | R439 | OPEN | OPEN | OPEN | OPEN |
| | R440 | OPEN | OPEN | OPEN | OPEN |
| | R441 | OPEN | OPEN | OPEN | OPEN |
| | R442 | OPEN | OPEN | OPEN | OPEN |
| | R443 | OPEN | OPEN | OPEN | OPEN |
| | R444 | OPEN | OPEN | OPEN | OPEN |
| | C431 | OPEN | OPEN | OPEN | OPEN |
| | C432 | OPEN | OPEN | OPEN | OPEN |
| | C433 | OPEN | OPEN | OPEN | OPEN |
| | D431 | OPEN | OPEN | OPEN | OPEN |
| | D432 | OPEN | OPEN | OPEN | OPEN |
| | Q431 | OPEN | OPEN | OPEN | OPEN |
| | Q432 | OPEN | OPEN | OPEN | OPEN |
| | Q433 | OPEN | OPEN | OPEN | OPEN |
| PC | J410 | QNZ0561 -001 | OPEN | QNZ0561 -001 | OPEN |
| | R461 | 75 | OPEN | 75 | OPEN |
| | R462 | 0 | OPEN | 0 | OPEN |
| | R463 | 0 | OPEN | 0 | OPEN |
| | R464 | 75 | OPEN | 75 | OPEN |
| | R465 | 0 | OPEN | 0 | OPEN |
| | R466 | 0 | OPEN | 0 | OPEN |
| | R467 | 75 | OPEN | 75 | OPEN |
| | R468 | 0 | OPEN | 0 | OPEN |
| | R469 | 0 | OPEN | 0 | OPEN |
| | R470 | 0 | OPEN | 0 | OPEN |
| | R471 | 0 | OPEN | 0 | OPEN |
| | R474 | 0 | OPEN | 0 | OPEN |
| | R475 | 330 | OPEN | 330 | OPEN |
| | R476 | 330 | OPEN | 330 | OPEN |
| | C461 | 100p | OPEN | 100p | OPEN |
| | C462 | 100p | OPEN | 100p | OPEN |
| | C463 | 100p | OPEN | 100p | OPEN |
| | C464 | 2.2/10 | OPEN | 2.2/10 | OPEN |
| | C465 | 2.2/10 | OPEN | 2.2/10 | OPEN |
| | C466 | 2.2/10 | OPEN | 2.2/10 | OPEN |
| | C468 | 100p | OPEN | 100p | OPEN |
| | C469 | 100p | OPEN | 100p | OPEN |
| | D461 | MA8100 /M/-X | OPEN | MA8100 /M/-X | OPEN |
| | D462 | MA8100 /M/-X | OPEN | MA8100 /M/-X | OPEN |
| | D463 | MA8100 /M/-X | OPEN | MA8100 /M/-X | OPEN |
| | D464 | MA8100 /M/-X | OPEN | MA8100 /M/-X | OPEN |
| | D465 | MA8100 /M/-X | OPEN | MA8100 /M/-X | OPEN |
| | D466 | MA8100 /M/-X | OPEN | MA8100 /M/-X | OPEN |
| | J401 | QNZ0825 -001 | QNZ0825 -001 | QNZ0825 -001 | QNZ0825 -001 |
| | J402 | QNN0349 -002 | QNN0349 -002 | QNN0349 -002 | QNN0349 -002 |
| | J403 | QNN0764 -001 | QNN0764 -001 | QNN0764 -001 | QNN0764 -001 |
| | J404 | QNN0349 -002 | QNN0349 -002 | QNN0349 -002 | QNN0349 -002 |
| | J405 | QNZ0825 -001 | QNZ0825 -001 | QNZ0825 -001 | QNZ0825 -001 |
| | J409 | QNN0766 -001 | QNN0766 -001 | QNN0766 -001 | QNN0766 -001 |

| | | HD-70FH97A<br>HD-61FH97A<br>HD-56FH97A<br>HD-52FH97A | HD-70FN97A<br>HD-61FN97A<br>HD-56FN97A<br>HD-52FN97A | HD-61FC97A<br>HD-56FC97A | HD-56FM97A |
|---|---|---|---|---|---|
| | | OLLC10494 | OLLC10494 -02 | | |
| IR | J411 | OPEN | OPEN | OPEN | OPEN |
| | R481 | OPEN | OPEN | OPEN | OPEN |
| | D481 | OPEN | OPEN | OPEN | OPEN |
| CENTER CH | J406 | QNN0765 -002 | QNN0765 -001 | QNN0765 -001 | QNN0765 -001 |
| | C420 | 1000p/50 | 1000p/50 | OPEN | OPEN |
| | C421 | 2.2/10 | 2.2/10 | OPEN | OPEN |
| | R421 | 220k | 220k | OPEN | OPEN |
| | D422 | MA8100 /M/-X | MA8100 /M/-X | OPEN | OPEN |
| MONITOR | J407 | QNZ0825 -002 | QNZ0825 -001 | QNZ0825 -001 | OPEN |
| | R431 | 75 | 75 | 75 | OPEN |
| | R432 | OPEN | OPEN | OPEN | OPEN |
| | R433 | 75 | 75 | 75 | OPEN |
| | R434 | 2.2k | 2.2k | 2.2k | OPEN |
| | R435 | 75 | 75 | 75 | OPEN |
| | R436 | 2.2k | 2.2k | 2.2k | OPEN |
| | R437 | 390 | 390 | 390 | OPEN |
| | R438 | 22k | 22k | 22k | OPEN |
| | R439 | 470 | 470 | 470 | OPEN |
| | R440 | 390 | 390 | 390 | OPEN |
| | R441 | 22k | 22k | 22k | OPEN |
| | R442 | 470 | 470 | 470 | OPEN |
| | R443 | 1k | 1k | 1k | OPEN |
| | R444 | 39k | 39k | 39k | OPEN |
| | C431 | 2.2/16 | 2.2/16 | 2.2/16 | OPEN |
| | C432 | 2.2/16 | 2.2/16 | 2.2/16 | OPEN |
| | C433 | 1/16 | 1/16 | 1/16 | OPEN |
| | D431 | MA8100 /M/-X | MA8100 /M/-X | MA8100 /M/-X | OPEN |
| | D432 | MA8100 /M/-X | MA8100 /M/-X | MA8100 /M/-X | OPEN |
| | Q431 | UN2226-X | UN2226-X | UN2226-X | OPEN |
| | Q432 | UN2226-X | UN2226-X | UN2226-X | OPEN |
| | Q433 | UN2110-X | UN2110-X | UN2110-X | OPEN |
| PC | J410 | QNZ0561 -001 | QNZ0561 -001 | OPEN | QNZ0561 -001 |
| | R461 | 75 | 75 | OPEN | 75 |
| | R462 | 0 | 0 | OPEN | 0 |
| | R463 | 0 | 0 | OPEN | 0 |
| | R464 | 75 | 75 | OPEN | 75 |
| | R465 | 0 | 0 | OPEN | 0 |
| | R466 | 0 | 0 | OPEN | 0 |
| | R467 | 75 | 75 | OPEN | 75 |
| | R468 | 0 | 0 | OPEN | 0 |
| | R469 | 0 | 0 | OPEN | 0 |
| | R470 | 0 | 0 | OPEN | 0 |
| | R471 | 0 | 0 | OPEN | 0 |
| | R474 | 0 | 0 | OPEN | 0 |
| | R475 | 330 | 330 | OPEN | 330 |
| | R476 | 330 | 330 | OPEN | 330 |
| | C461 | 100p | 100p | OPEN | 100p |
| | C462 | 100p | 100p | OPEN | 100p |
| | C463 | 100p | 100p | OPEN | 100p |
| | C464 | 2.2/10 | 2.2/10 | OPEN | 2.2/10 |
| | C465 | 2.2/10 | 2.2/10 | OPEN | 2.2/10 |
| | C466 | 2.2/10 | 2.2/10 | OPEN | 2.2/10 |
| | C468 | 100p | 100p | OPEN | 100p |
| | C469 | 100p | 100p | OPEN | 100p |
| | D461 | MA8100 /M/-X | MA8100 /M/-X | OPEN | MA8100 /M/-X |
| | D462 | MA8100 /M/-X | MA8100 /M/-X | OPEN | MA8100 /M/-X |
| | D463 | MA8100 /M/-X | MA8100 /M/-X | OPEN | MA8100 /M/-X |
| | D464 | MA8100 /M/-X | MA8100 /M/-X | OPEN | MA8100 /M/-X |
| | D465 | MA8100 /M/-X | MA8100 /M/-X | OPEN | MA8100 /M/-X |
| | D466 | MA8100 /M/-X | MA8100 /M/-X | OPEN | MA8100 /M/-X |
| | J401 | QNZ0825 -002 | QNZ0825 -001 | QNZ0825 -001 | QNZ0825 -001 |
| | J402 | QNN0349 -004 | QNN0349 -002 | QNN0349 -002 | QNN0349 -002 |
| | J403 | QNN0764 -002 | QNN0764 -001 | QNN0764 -001 | QNN0764 -001 |
| | J404 | QNN0349 -004 | QNN0349 -002 | QNN0349 -002 | QNN0349 -002 |
| | J405 | QNZ0825 -002 | QNZ0825 -001 | QNZ0825 -001 | QNZ0825 -001 |
| | J409 | QNN0766 -002 | QNN0766 -001 | QNN0766 -001 | QNN0766 -001 |

# ANALOG PWB ASS'Y (3/6)

## SRA-1013A-M2


IC331
IC332
IC333
TO SW
TO DSP BLOCK
9V
5V
GND
DIG_GND
L331
L332
L333
K331
X331 18.432MHz
D331
D332
CAPL_M
AHVSS
AGNDC
SC2_IN_L
SC2_IN_R
ASG1
SC1_IN_L
SC1_IN_R
VREFTOP
MONO_IN
AVSS
AHVSUP
SC1_OUT_L
SC1_OUT_R
VREF1
DACM_L
DACM_R
VREF2
NC
RESETQ
DVSS
DVSUP
TP
I2S_DA_IN
I2S_DA_OUT
I2S_WS
I2S_CL
SDA
SCL
AVSUP
ANA_IN+
ANA_IN-
TESTEN
XTAL_IN
XTAL_OUT
D_CTR_OUT1
D_CTR_OUT0
ADR_SEL
STANBY
CENT_IN
TV_MONO
TV_L1
TV_R1
MAIN_R
MAIN_L
DSPIN_R
DSPIN_L
DSPOUT_L
DSPOUT_R
TV_SIF
SIF_GND
MSP_RST0
SDA3A5
SCL3A5
LIP_L
LIP_R
SHEET1
SHEET4
SHEET1
SHEET1,5,6
1_2F 1_30 6_15K
1_160
1_130
1_22L
4_1L
1_50
1_22L 3_2K 4_1L 5_1M
R301
R302
R304
R305
R306
R307
R308
R309
R323 OPEN
R324
R327
R328
R329
R330
R331
R332
R333
R334
R335
R336
R337
R338
R339
R340
R341
R342
R343
R344
R345
R346
R347
R348
R349
R350
R351
R352
R353
R354
R355
R356
R357
R358
R359
R360
R361
R362
R363
R367
R368
R369
R370
R395 0
C301
C303
C304
C305
C331
C332
C333
C334
C335
C336
C337
C338
C339
C340
C341
C342
C343
C344
C345
C346
C347
C348
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C350
C351
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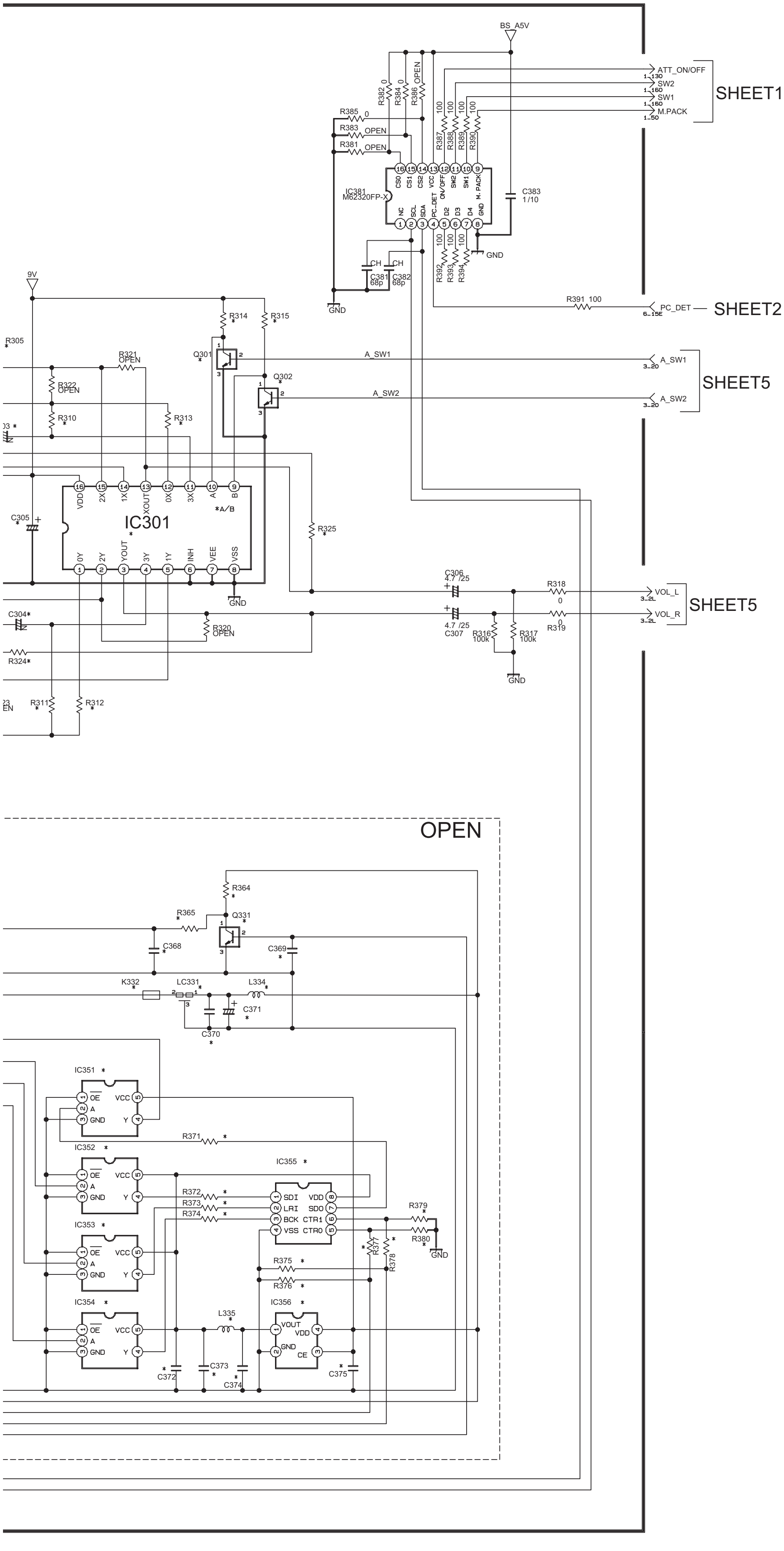
C363
C364
C365
C366
C367


BS_A5V
ATT_ON/OFF
SW2
SW1
M.PACK
SHEET1
R382 0
R384 0
R386 OPEN
R385 0
R383 OPEN
R381 OPEN
R387 100
R388 100
R389 100
R390 100
IC381
M62320FP-X
CS0
CS1
CS2
VCC
ON/OFF
SW2
SW1
M.PACK
NC
SCL
SDA
PC_DET
D2
D3
D4
GND
C383
1/10
R392 100
R393 100
R394 100
C381 68p CH
C382 68p CH
GND
R391 100
PC_DET
SHEET2
9V
R314
R315
R305
Q301
Q302
A_SW1
A_SW2
SHEET5
R321 OPEN
R322 OPEN
R310
R313
IC301
VDD
2X
1X
XOUT
0X
3X
A
B
*A/B
0Y
2Y
YOUT
3Y
1Y
INH
VEE
VSS
C305
R325
C306 4.7 /25
C307 4.7 /25
R318 0
R319 0
R316 100k
R317 100k
VOL_L
VOL_R
SHEET5
C304
R320 OPEN
R324
R311
R312
OPEN
R364
R365
Q331
C368
C369
K332
LC331
L334
C370
C371
IC351
IC352
IC353
IC354
IC355
IC356
OE
A
GND
VCC
Y
R371
R372
R373
R374
SDI
LRI
BCK
VSS
VDD
SDO
CTR1
CTR0
R379
R380
R377
R378
R375
R376
L335
VOUT
VDD
GND
CE
C372
C373
C374
C375

|  | HD-61G887A<br>HD-56G887A<br>HD-52G887A | HD-61G657A<br>HD-56G657A<br>HD-52G657A | HD-61G587A<br>HD-52G587A | HD-61G567A<br>HD-52G567A | HD-70FH97A<br>HD-61FH97A<br>HD-56FH97A<br>HD-52FH97A | HD-70FN97A<br>HD-61FN97A<br>HD-56FN97A<br>HD-52FN97A | HD-61FC97A<br>HD-56FC97A | HD-56FM97A |
|---|---|---|---|---|---|---|---|---|
|  | OLLC09896 | OLLC10118 | OLLC10118 -02 |  | OLLC10494 | OLLC10494 -02 |  |  |
| IC301 | OPEN | OPEN | OPEN | OPEN | CD4052 BNS-X | CD4052 BNS-X | OPEN | OPEN |
| R304 | OPEN | OPEN | OPEN | OPEN | 100 | 100 | OPEN | OPEN |
| R305 | OPEN | OPEN | OPEN | OPEN | 100 | 100 | OPEN | OPEN |
| R306 | OPEN | OPEN | OPEN | OPEN | 3.3k | 3.3k | OPEN | OPEN |
| R307 | OPEN | OPEN | OPEN | OPEN | 3.3k | 3.3k | OPEN | OPEN |
| R308 | OPEN | OPEN | OPEN | OPEN | 0 | 0 | OPEN | OPEN |
| R309 | OPEN | OPEN | OPEN | OPEN | 100k | 100k | OPEN | OPEN |
| R310 | OPEN | OPEN | OPEN | OPEN | 100k | 100k | OPEN | OPEN |
| R311 | OPEN | OPEN | OPEN | OPEN | 100k | 100k | OPEN | OPEN |
| R312 | OPEN | OPEN | OPEN | OPEN | 100k | 100k | OPEN | OPEN |
| R313 | OPEN | OPEN | OPEN | OPEN | 100k | 100k | OPEN | OPEN |
| R314 | OPEN | OPEN | OPEN | OPEN | 22k | 22k | OPEN | OPEN |
| R315 | OPEN | OPEN | OPEN | OPEN | 6.8k | 6.8k | OPEN | OPEN |
| R324 | 0 | 0 | 0 | 0 | OPEN | OPEN | 0 | 0 |
| R325 | 0 | 0 | 0 | 0 | OPEN | OPEN | 0 | 0 |
| C301 | OPEN | OPEN | OPEN | OPEN | 47/16 | 47/16 | OPEN | OPEN |
| C303 | OPEN | OPEN | OPEN | OPEN | 4.7/16 | 4.7/16 | OPEN | OPEN |
| C304 | OPEN | OPEN | OPEN | OPEN | 4.7/16 | 4.7/16 | OPEN | OPEN |
| C305 | OPEN | OPEN | OPEN | OPEN | 100/16 | 100/16 | OPEN | OPEN |
| Q301 | OPEN | OPEN | OPEN | OPEN | RT1N441C-X | RT1N441C-X | OPEN | OPEN |
| Q302 | OPEN | OPEN | OPEN | OPEN | RT1N441C-X | RT1N441C-X | OPEN | OPEN |
| R301 | OPEN | OPEN | OPEN | OPEN | 0 | 0 | OPEN | OPEN |
| R302 | OPEN | OPEN | OPEN | OPEN | 0 | 0 | OPEN | OPEN |

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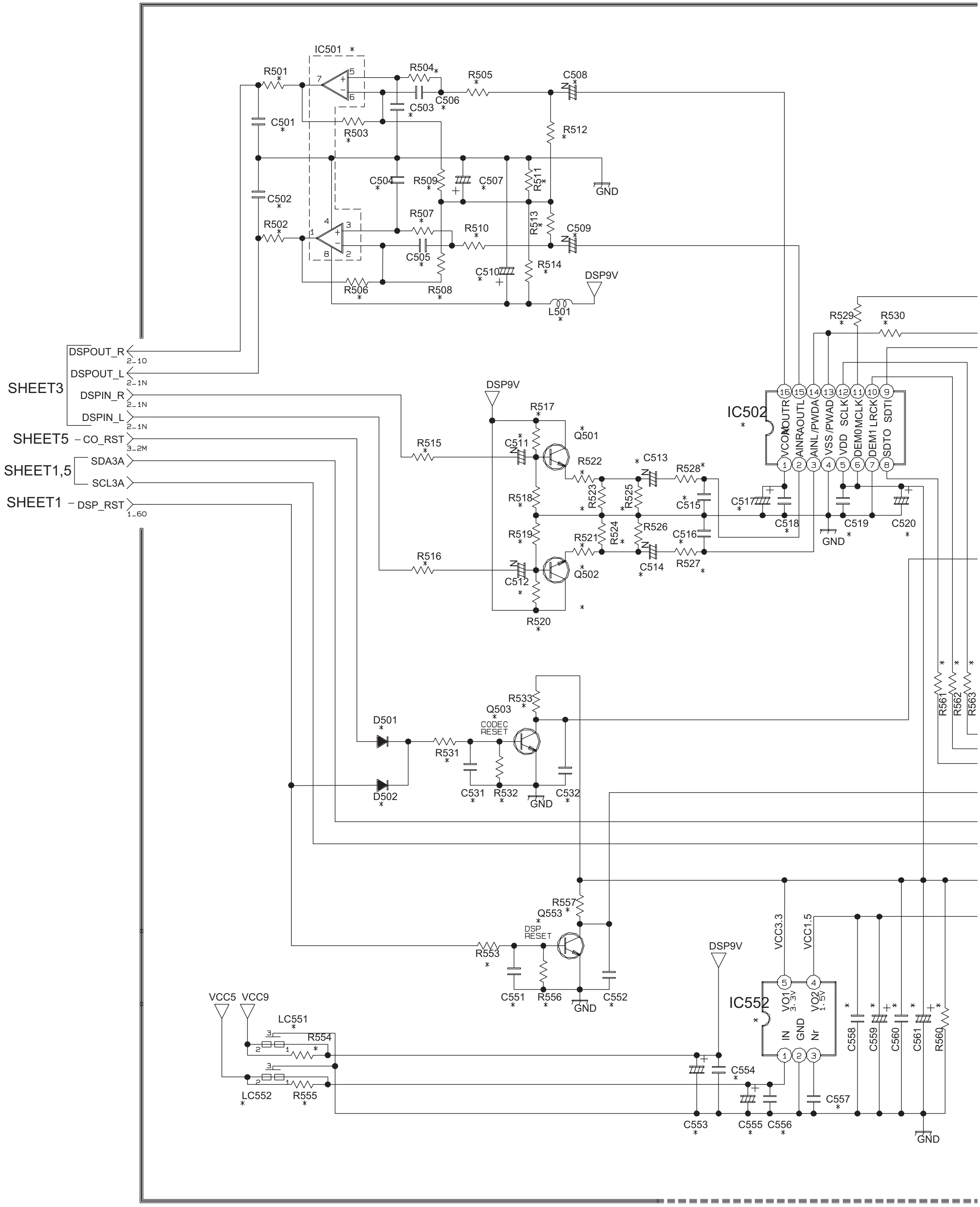
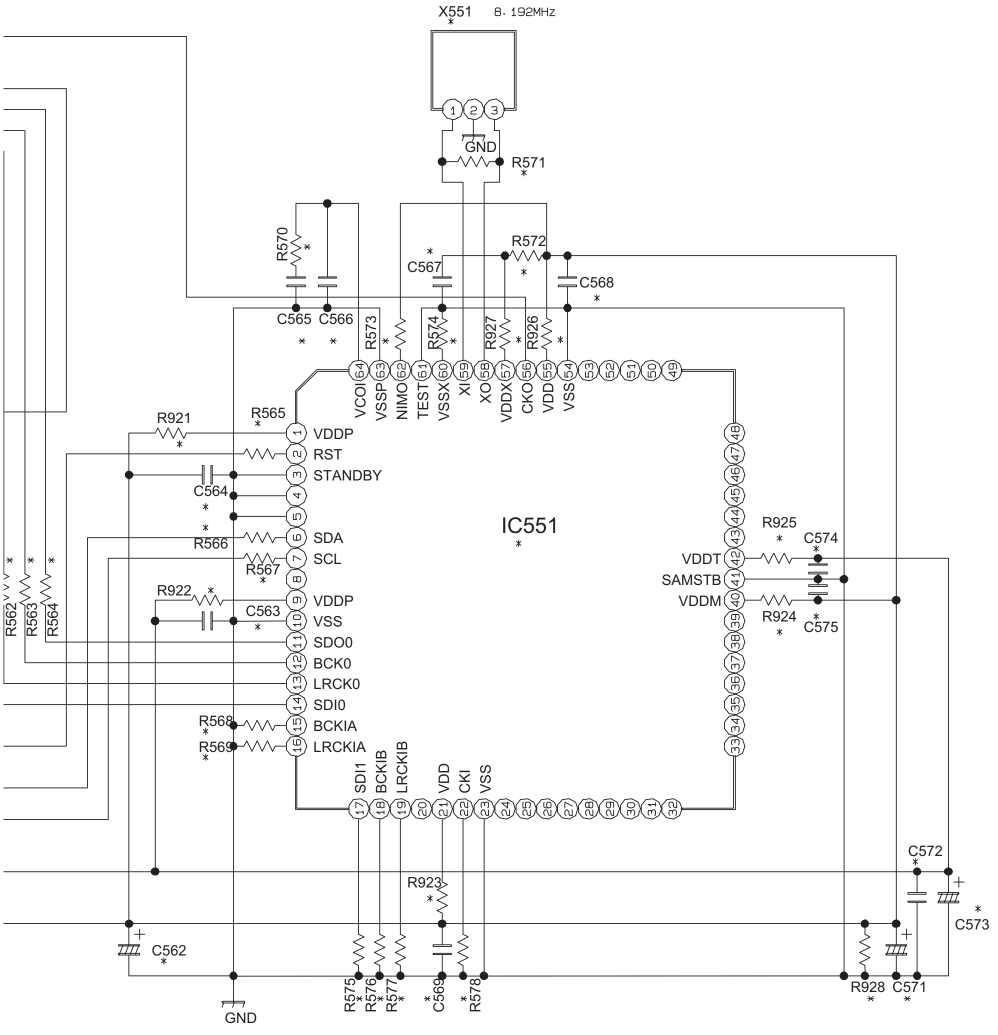
# *ANALOG PWB CIRCUIT DIAGRAM (4/6) [W_DSP BLOCK] SHEET 4*


IC501
R501
R504
R505
C508
C501
C503
C506
R503
R512
C504
R509
C507
R511
GND
C502
R502
R507
R510
R513
C509
C505
C510
R514
DSP9V
R506
R508
L501
R529
R530
SHEET3
DSPOUT_R
2_10
DSPOUT_L
2_1N
DSPIN_R
2_1N
DSPIN_L
2_1N
SHEET5
CO_RST
3_2M
SHEET1,5
SDA3A
SCL3A
SHEET1
DSP_RST
1_60
DSP9V
R517
Q501
R515
C511
R522
C513
R528
IC502
VCOM
AOUTR
AOUTL
AINR
AINL
/PWDA
VSS
/PWAD
VDD
SCLK
DEM0
MCLK
DEM1
LRCK
SDTO
SDTI
R518
R523
R525
C515
C517
C518
C519
C520
GND
R519
R521
R524
R526
C516
R516
C512
Q502
C514
R527
R520
R561
R562
R563
R533
Q503
CODEC RESET
D501
R531
C531
R532
GND
C532
D502
R557
Q553
DSP RESET
R553
C551
R556
GND
C552
DSP9V
VCC3.3
VCC1.5
IC552
VO1 3.3V
VO2 1.5V
IN
GND
Nr
C558
C559
C560
C561
R560
VCC5
VCC9
LC551
R554
C553
C554
LC552
R555
C555
C556
C557
GND

# ANALOG PWB ASS'Y (4/6)

## SRA-1013A-M2



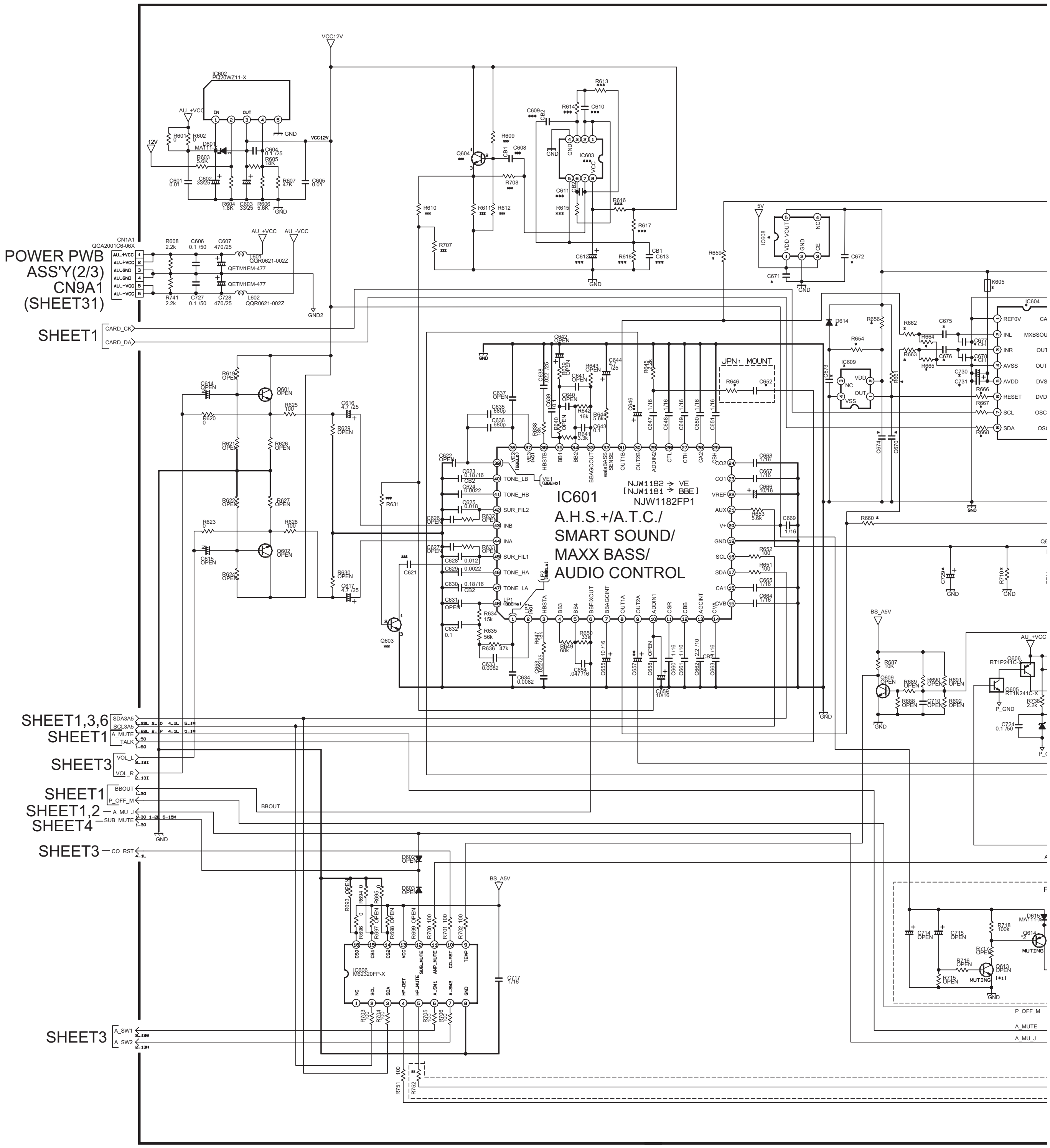
– NOTE –

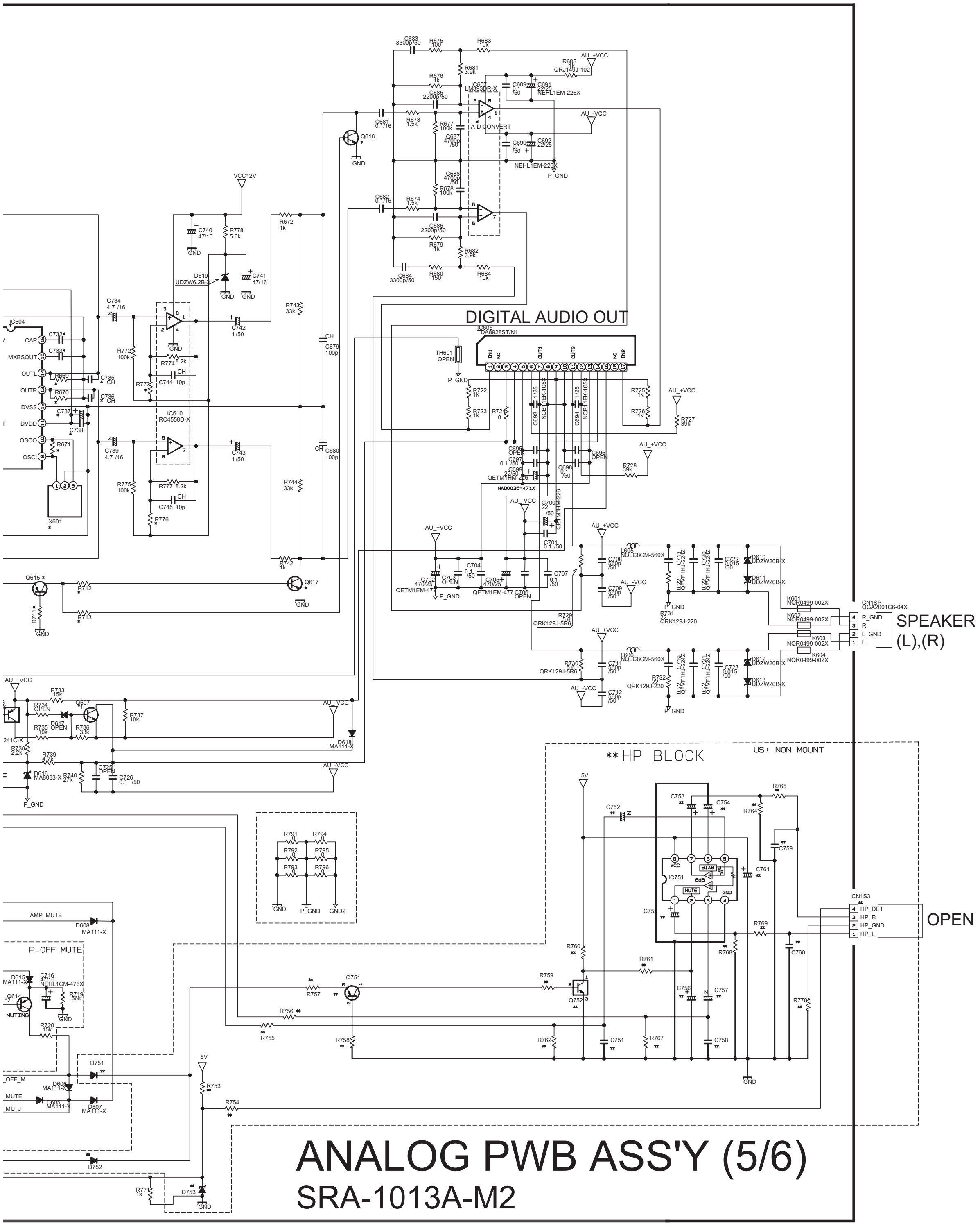
0 : NRSA63J-0R0X
NPN : 2SC3928A/QR/-X
PNP : 2SA1530A/QR/-X

| | HD-61G887A<br>HD-56G887A<br>HD-52G887A | HD-61G657A<br>HD-56G657A<br>HD-52G657A | HD-61G587A<br>HD-52G587A | HD-61G567A<br>HD-52G567A | HD-70FH97A<br>HD-61FH97A<br>HD-56FH97A<br>HD-52FH97A | HD-70FN97A<br>HD-61FN97A<br>HD-56FN97A<br>HD-52FN97A | HD-61FC97A<br>HD-56FC97A | HD-56FM97A |
|---|---|---|---|---|---|---|---|---|
| | OLLC09896 | OLLC10118 | OLLC10118-02 | | OLLC10494 | OLLC10494-02 | | |
| IC501 | OPEN | OPEN | OPEN | OPEN | HA17558AF-X | HA17558AF-X | OPEN | HA17558AF-X |
| IC502 | OPEN | OPEN | OPEN | OPEN | AK4554VT-X | AK4554VT-X | OPEN | AK4554VT-X |
| IC551 | OPEN | OPEN | OPEN | OPEN | JCC5067 | JCC5067 | OPEN | JCC5067 |
| IC552 | OPEN | OPEN | OPEN | OPEN | PQ2L3152MS-X | PQ2L3152MS-X | OPEN | PQ2L3152MS-X |
| LC551 | OPEN | OPEN | OPEN | OPEN | NQR0470-007X | NQR0470-007X | OPEN | NQR0470-007X |
| LC552 | OPEN | OPEN | OPEN | OPEN | NQR0470-007X | NQR0470-007X | OPEN | NQR0470-007X |
| D501 | OPEN | OPEN | OPEN | OPEN | MA111-X | MA111-X | OPEN | MA111-X |
| D502 | OPEN | OPEN | OPEN | OPEN | MA111-X | MA111-X | OPEN | MA111-X |
| Q501 | OPEN | OPEN | OPEN | OPEN | 2SC3928A/QR/-X | 2SC3928A/QR/-X | OPEN | 2SC3928A/QR/-X |
| Q502 | OPEN | OPEN | OPEN | OPEN | 2SC3928A/QR/-X | 2SC3928A/QR/-X | OPEN | 2SC3928A/QR/-X |
| Q503 | OPEN | OPEN | OPEN | OPEN | 2SC3928A/QR/-X | 2SC3928A/QR/-X | OPEN | 2SC3928A/QR/-X |
| Q551 | OPEN | OPEN | OPEN | OPEN | 2SK3019-X | 2SK3019-X | OPEN | 2SK3019-X |
| Q552 | OPEN | OPEN | OPEN | OPEN | 2SK3019-X | 2SK3019-X | OPEN | 2SK3019-X |
| Q553 | OPEN | OPEN | OPEN | OPEN | 2SC3928A/QR/-X | 2SC3928A/QR/-X | OPEN | 2SC3928A/QR/-X |
| R501 | OPEN | OPEN | OPEN | OPEN | 220 | 220 | OPEN | 220 |
| R502 | OPEN | OPEN | OPEN | OPEN | 220 | 220 | OPEN | 220 |
| R503 | OPEN | OPEN | OPEN | OPEN | 4.7k | 4.7k | OPEN | 4.7k |
| R504 | OPEN | OPEN | OPEN | OPEN | 3.3k | 3.3k | OPEN | 3.3k |
| R505 | OPEN | OPEN | OPEN | OPEN | 3.3k | 3.3k | OPEN | 3.3k |
| R506 | OPEN | OPEN | OPEN | OPEN | 4.7k | 4.7k | OPEN | 4.7k |
| R507 | OPEN | OPEN | OPEN | OPEN | 3.3k | 3.3k | OPEN | 3.3k |
| R508 | OPEN | OPEN | OPEN | OPEN | 1k | 1k | OPEN | 1k |
| R509 | OPEN | OPEN | OPEN | OPEN | 1k | 1k | OPEN | 1k |
| R510 | OPEN | OPEN | OPEN | OPEN | 3.3k | 3.3k | OPEN | 3.3k |
| R511 | OPEN | OPEN | OPEN | OPEN | 10k | 10k | OPEN | 10k |
| R512 | OPEN | OPEN | OPEN | OPEN | 33k | 33k | OPEN | 33k |
| R513 | OPEN | OPEN | OPEN | OPEN | 33k | 33k | OPEN | 33k |
| R514 | OPEN | OPEN | OPEN | OPEN | 10k | 10k | OPEN | 10k |
| R515 | OPEN | OPEN | OPEN | OPEN | 1k | 1k | OPEN | 1k |
| R516 | OPEN | OPEN | OPEN | OPEN | 1k | 1k | OPEN | 1k |
| R517 | OPEN | OPEN | OPEN | OPEN | 33k | 33k | OPEN | 33k |
| R518 | OPEN | OPEN | OPEN | OPEN | 33k | 33k | OPEN | 33k |
| R519 | OPEN | OPEN | OPEN | OPEN | 33k | 33k | OPEN | 33k |
| R520 | OPEN | OPEN | OPEN | OPEN | 33k | 33k | OPEN | 33k |
| R521 | OPEN | OPEN | OPEN | OPEN | 3.3k | 3.3k | OPEN | 3.3k |
| R522 | OPEN | OPEN | OPEN | OPEN | 3.3k | 3.3k | OPEN | 3.3k |
| R523 | OPEN | OPEN | OPEN | OPEN | 1k | 1k | OPEN | 1k |
| R524 | OPEN | OPEN | OPEN | OPEN | 1k | 1k | OPEN | 1k |
| R525 | OPEN | OPEN | OPEN | OPEN | 1k | 1k | OPEN | 1k |
| R526 | OPEN | OPEN | OPEN | OPEN | 1k | 1k | OPEN | 1k |
| R527 | OPEN | OPEN | OPEN | OPEN | 470 | 470 | OPEN | 470 |
| R528 | OPEN | OPEN | OPEN | OPEN | 470 | 470 | OPEN | 470 |
| R529 | OPEN | OPEN | OPEN | OPEN | 100 | 100 | OPEN | 100 |
| R530 | OPEN | OPEN | OPEN | OPEN | 0 | 0 | OPEN | 0 |
| R531 | OPEN | OPEN | OPEN | OPEN | 3.3k | 3.3k | OPEN | 3.3k |
| R532 | OPEN | OPEN | OPEN | OPEN | 10k | 10k | OPEN | 10k |
| R533 | OPEN | OPEN | OPEN | OPEN | 10k | 10k | OPEN | 10k |
| R551 | OPEN | OPEN | OPEN | OPEN | 100 | 100 | OPEN | 100 |
| R552 | OPEN | OPEN | OPEN | OPEN | 100 | 100 | OPEN | 100 |
| R553 | OPEN | OPEN | OPEN | OPEN | 10k | 10k | OPEN | 10k |
| R554 | OPEN | OPEN | OPEN | OPEN | 0 | 0 | OPEN | 0 |
| R555 | OPEN | OPEN | OPEN | OPEN | 0 | 0 | OPEN | 0 |
| R556 | OPEN | OPEN | OPEN | OPEN | 10k | 10k | OPEN | 10k |
| R557 | OPEN | OPEN | OPEN | OPEN | 10k | 10k | OPEN | 10k |
| R558 | OPEN | OPEN | OPEN | OPEN | 68k | 68k | OPEN | 68k |
| R559 | OPEN | OPEN | OPEN | OPEN | 68k | 68k | OPEN | 68k |
| R560 | OPEN | OPEN | OPEN | OPEN | 6.8k | 6.8k | OPEN | 6.8k |
| R561 | OPEN | OPEN | OPEN | OPEN | 220 | 220 | OPEN | 220 |
| R562 | OPEN | OPEN | OPEN | OPEN | 220 | 220 | OPEN | 220 |
| R563 | OPEN | OPEN | OPEN | OPEN | 220 | 220 | OPEN | 220 |
| R564 | OPEN | OPEN | OPEN | OPEN | 220 | 220 | OPEN | 220 |
| R565 | OPEN | OPEN | OPEN | OPEN | 0 | 0 | OPEN | 0 |
| R566 | OPEN | OPEN | OPEN | OPEN | 100 | 100 | OPEN | 100 |
| R567 | OPEN | OPEN | OPEN | OPEN | 100 | 100 | OPEN | 100 |
| R568 | OPEN | OPEN | OPEN | OPEN | 10k | 10k | OPEN | 10k |
| R569 | OPEN | OPEN | OPEN | OPEN | 10k | 10k | OPEN | 10k |
| R570 | OPEN | OPEN | OPEN | OPEN | 100 | 100 | OPEN | 100 |
| R571 | OPEN | OPEN | OPEN | OPEN | 1M | 1M | OPEN | 1M |
| R572 | OPEN | OPEN | OPEN | OPEN | 4.7 | 4.7 | OPEN | 4.7 |
| R573 | OPEN | OPEN | OPEN | OPEN | 10k | 10k | OPEN | 10k |
| R574 | OPEN | OPEN | OPEN | OPEN | 0 | 0 | OPEN | 0 |
| R575 | OPEN | OPEN | OPEN | OPEN | 10k | 10k | OPEN | 10k |
| R576 | OPEN | OPEN | OPEN | OPEN | 10k | 10k | OPEN | 10k |
| R577 | OPEN | OPEN | OPEN | OPEN | 10k | 10k | OPEN | 10k |
| R578 | OPEN | OPEN | OPEN | OPEN | 10k | 10k | OPEN | 10k |
| R921 | OPEN | OPEN | OPEN | OPEN | 0 | 0 | OPEN | 0 |
| R922 | OPEN | OPEN | OPEN | OPEN | 0 | 0 | OPEN | 0 |
| R923 | OPEN | OPEN | OPEN | OPEN | 0 | 0 | OPEN | 0 |
| R924 | OPEN | OPEN | OPEN | OPEN | 0 | 0 | OPEN | 0 |
| R925 | OPEN | OPEN | OPEN | OPEN | 0 | 0 | OPEN | 0 |
| R926 | OPEN | OPEN | OPEN | OPEN | 0 | 0 | OPEN | 0 |
| R927 | OPEN | OPEN | OPEN | OPEN | 0 | 0 | OPEN | 0 |
| R928 | OPEN | OPEN | OPEN | OPEN | NRSA63J-222X | NRSA63J-222X | OPEN | NRSA63J-222X |

| | HD-61G887A<br>HD-56G887A<br>HD-52G887A | HD-61G657A<br>HD-56G657A<br>HD-52G657A | HD-61G587A<br>HD-52G587A | HD-61G567A<br>HD-52G567A | HD-70FH97A<br>HD-61FH97A<br>HD-56FH97A<br>HD-52FH97A | HD-70FN97A<br>HD-61FN97A<br>HD-56FN97A<br>HD-52FN97A | HD-61FC97A<br>HD-56FC97A | HD-56FM97A |
|---|---|---|---|---|---|---|---|---|
| | OLLC09896 | OLLC10118 | OLLC10118-02 | | OLLC10494 | OLLC10494-02 | | |
| C501 | OPEN | OPEN | OPEN | OPEN | NCB31CK-223X | NCB31CK-223X | OPEN | NCB31CK-223X |
| C502 | OPEN | OPEN | OPEN | OPEN | NCB31CK-223X | NCB31CK-223X | OPEN | NCB31CK-223X |
| C503 | OPEN | OPEN | OPEN | OPEN | 0.0022 | 0.0022 | OPEN | 0.0022 |
| C504 | OPEN | OPEN | OPEN | OPEN | 0.0022 | 0.0022 | OPEN | 0.0022 |
| C505 | OPEN | OPEN | OPEN | OPEN | 0.0082 | 0.0082 | OPEN | 0.0082 |
| C506 | OPEN | OPEN | OPEN | OPEN | 0.0082 | 0.0082 | OPEN | 0.0082 |
| C507 | OPEN | OPEN | OPEN | OPEN | NEHL1AM-107X | NEHL1AM-107X | OPEN | NEHL1AM-107X |
| C508 | OPEN | OPEN | OPEN | OPEN | 1/50 | 1/50 | OPEN | 1/50 |
| C509 | OPEN | OPEN | OPEN | OPEN | 1/50 | 1/50 | OPEN | 1/50 |
| C510 | OPEN | OPEN | OPEN | OPEN | NEHL1CM-476X | NEHL1CM-476X | OPEN | NEHL1CM-476X |
| C511 | OPEN | OPEN | OPEN | OPEN | NEHL1EM-475X | NEHL1EM-475X | OPEN | NEHL1EM-475X |
| C512 | OPEN | OPEN | OPEN | OPEN | NEHL1EM-475X | NEHL1EM-475X | OPEN | NEHL1EM-475X |
| C513 | OPEN | OPEN | OPEN | OPEN | NEHL1EM-475X | NEHL1EM-475X | OPEN | NEHL1EM-475X |
| C514 | OPEN | OPEN | OPEN | OPEN | NEHL1EM-475X | NEHL1EM-475X | OPEN | NEHL1EM-475X |
| C515 | OPEN | OPEN | OPEN | OPEN | 1000p | 1000p | OPEN | 1000p |
| C516 | OPEN | OPEN | OPEN | OPEN | 1000p | 1000p | OPEN | 1000p |
| C517 | OPEN | OPEN | OPEN | OPEN | NEHL1EM-475X | NEHL1EM-475X | OPEN | NEHL1EM-475X |
| C518 | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 | OPEN | 0.1/16 |
| C519 | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 | OPEN | 0.1/16 |
| C520 | OPEN | OPEN | OPEN | OPEN | NEHL1CM-106X | NEHL1CM-106X | OPEN | NEHL1CM-106X |
| C531 | OPEN | OPEN | OPEN | OPEN | 1000p | 1000p | OPEN | 1000p |
| C532 | OPEN | OPEN | OPEN | OPEN | 1000p | 1000p | OPEN | 1000p |
| C551 | OPEN | OPEN | OPEN | OPEN | 1000p | 1000p | OPEN | 1000p |
| C552 | OPEN | OPEN | OPEN | OPEN | 1000p | 1000p | OPEN | 1000p |
| C553 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C554 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C555 | OPEN | OPEN | OPEN | OPEN | NEHL1CM-106X | NEHL1CM-106X | OPEN | NEHL1CM-106X |
| C556 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C557 | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 | OPEN | 0.1/16 |
| C558 | OPEN | OPEN | OPEN | OPEN | NCB30JK-225X | NCB30JK-225X | OPEN | NCB30JK-225X |
| C559 | OPEN | OPEN | OPEN | OPEN | NEHL0JM-226X | NEHL0JM-226X | OPEN | NEHL0JM-226X |
| C560 | OPEN | OPEN | OPEN | OPEN | NCB30JK-225X | NCB30JK-225X | OPEN | NCB30JK-225X |
| C561 | OPEN | OPEN | OPEN | OPEN | NEHL0JM-226X | NEHL0JM-226X | OPEN | NEHL0JM-226X |
| C562 | OPEN | OPEN | OPEN | OPEN | NEHL0JM-226X | NEHL0JM-226X | OPEN | NEHL0JM-226X |
| C563 | OPEN | OPEN | OPEN | OPEN | 0.01 | 0.01 | OPEN | 0.01 |
| C564 | OPEN | OPEN | OPEN | OPEN | 0.01 | 0.01 | OPEN | 0.01 |
| C565 | OPEN | OPEN | OPEN | OPEN | 0.1 | 0.1 | OPEN | 0.1 |
| C566 | OPEN | OPEN | OPEN | OPEN | 0.1 | 0.1 | OPEN | 0.1 |
| C567 | OPEN | OPEN | OPEN | OPEN | 0.01 | 0.01 | OPEN | 0.01 |
| C568 | OPEN | OPEN | OPEN | OPEN | 0.01 | 0.01 | OPEN | 0.01 |
| C569 | OPEN | OPEN | OPEN | OPEN | 0.01 | 0.01 | OPEN | 0.01 |
| C571 | OPEN | OPEN | OPEN | OPEN | NEHL0JM-226X | NEHL0JM-226X | OPEN | NEHL0JM-226X |
| C572 | OPEN | OPEN | OPEN | OPEN | NCB31CK-105X | NCB31CK-105X | OPEN | NCB31CK-105X |
| C573 | OPEN | OPEN | OPEN | OPEN | NEHL0JM-226X | NEHL0JM-226X | OPEN | NEHL0JM-226X |
| C574 | OPEN | OPEN | OPEN | OPEN | 0.01 | 0.01 | OPEN | 0.01 |
| C575 | OPEN | OPEN | OPEN | OPEN | 0.01 | 0.01 | OPEN | 0.01 |
| L501 | OPEN | OPEN | OPEN | OPEN | NRSA02J-0R0X | NRSA02J-0R0X | OPEN | NRSA02J-0R0X |
| X551 | OPEN | OPEN | OPEN | OPEN | NAX0623-001X | NAX0623-001X | OPEN | NAX0623-001X |
| D501 | OPEN | OPEN | OPEN | OPEN | 1SS355W-X | 1SS355W-X | OPEN | 1SS355W-X |
| D502 | OPEN | OPEN | OPEN | OPEN | 1SS355W-X | 1SS355W-X | OPEN | 1SS355W-X |

# ANALOG PWB CIRCUIT DIAGRAM (5/6) [AUDIO BLOCK] SHEET 5


POWER PWB
ASS'Y(2/3)
CN9A1
(SHEET31)
SHEET1
CARD_CK
CARD_DA
SHEET1,3,6
SHEET1
SHEET3
SHEET1
SHEET1,2
SHEET4
SHEET3
SHEET3
SDA3A5
SCL3A5
A_MUTE
TALK
VOL_L
VOL_R
BBOUT
P_OFF_M
A_MU_J
SUB_MUTE
CO_RST
A_SW1
A_SW2
GND
CN1A1
QGA2001C6-06X
AU_+VCC
AU_-VCC
AU_GND
VCC12V
12V
IC602
PQ20WZ11-X
L601
QQR0621-002Z
L602
QQR0621-002Z
QETM1EM-477
GND2
IC603
IC601
A.H.S.+/A.T.C./
SMART SOUND/
MAXX BASS/
AUDIO CONTROL
NJW1182 → VE
[NJW1181 → BBE]
NJW1182FP1
JPN : MOUNT
IC609
IC608
IC604
5V
BS_A5V
IC606
M62320FP-X
Q601
Q602
Q603
Q604
Q605
RT1N241C-X
Q606
RT1P241C-X
Q609
Q613
Q614
MUTING
P_GND
P_OFF_M
A_MUTE
A_MU_J
REF0V
INL
INR
AVSS
AVDD
RESET
SCL
SDA
MXBSOU
TONE_LB
TONE_HB
SUR_FIL2
INB
INA
SUR_FIL1
TONE_HA
TONE_LA
CO2
CO1
VREF
AUX
V+
GND
SCL
SDA
CA1
CVB


DIGITAL AUDIO OUT
IC609 TDA8928ST/N1
IC607 LM3303R-X
A-D CONVERT
IC610 RC4558D-X
IC604
CAP
MXBSOUT
OUTL
OUTR
DVSS
DVDD
OSCO
OSCI
X601
TH601 OPEN
AU_+VCC
AU_-VCC
VCC12V
P_GND
GND
Q615
Q616
Q617
Q607
D619 UDZW6.2B-X
D618 MA111-X
D616 MA8033-X
L605 NQLC8CM-560X
L606 NQLC8CM-560X
K601 NQR0499-002X
K602 NQR0499-002X
K603 NQR0499-002X
K604 NQR0499-002X
CN1SP QGA2001C6-04X
R_GND
R
L_GND
L
SPEAKER (L),(R)
** HP BLOCK
US: NON MOUNT
IC751
BIAS
MUTE
6dB
Q751
Q752
5V
CN1S3
HP_DET
HP_R
HP_GND
HP_L
OPEN
AMP_MUTE
D608 MA111-X
P_OFF MUTE
MUTING
D751
D752
D753
R791
R792
R793
R794
R795
R796
GND2

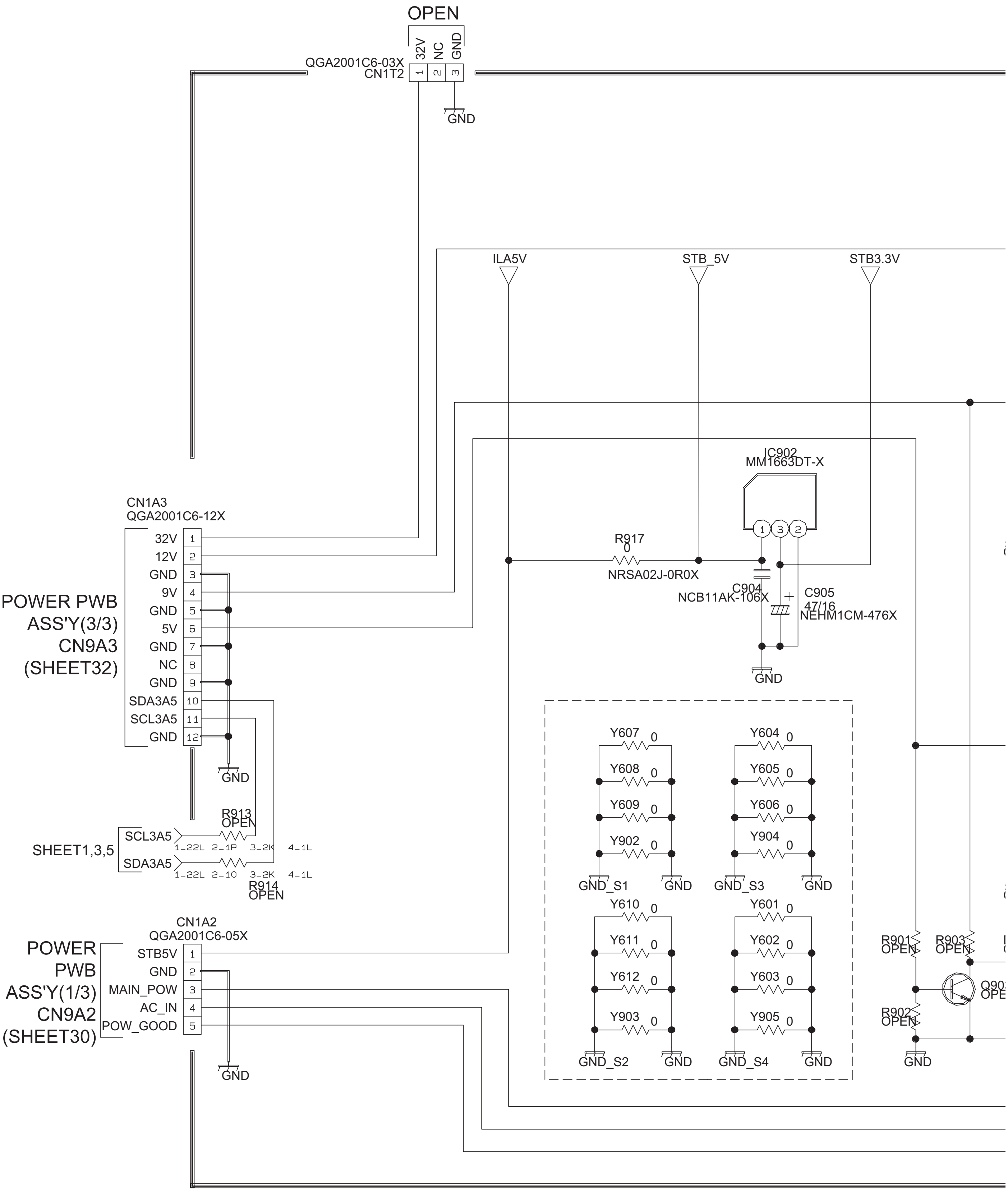
# ANALOG PWB ASS'Y (5/6)

## SRA-1013A-M2

| | HD-70FH97A<br>HD-61FH97A<br>HD-56FH97A<br>HD-52FH97A | HD-70FN97A<br>HD-61FN97A<br>HD-56FN97A<br>HD-52FN97A | HD-61FC97A<br>HD-56FC97A | HD-56FM97A |
|---|---|---|---|---|
| | OLLC10494 | OLLC10494 -02 | | |
| R654 | OPEN | OPEN | OPEN | OPEN |
| R656 | OPEN | OPEN | OPEN | OPEN |
| R659 | OPEN | OPEN | OPEN | OPEN |
| R660 | OPEN | OPEN | OPEN | OPEN |
| R661 | 10k | 10k | 10k | 10k |
| R662 | 3.3k | 3.3k | 6.8k | 6.8k |
| R663 | 3.3k | 3.3k | 6.8k | 6.8k |
| R664 | OPEN | OPEN | OPEN | OPEN |
| R665 | OPEN | OPEN | OPEN | OPEN |
| R666 | 0 | 0 | 0 | 0 |
| R667 | 100 | 100 | 100 | 100 |
| R668 | 100 | 100 | 100 | 100 |
| R669 | OPEN | OPEN | OPEN | OPEN |
| R670 | OPEN | OPEN | OPEN | OPEN |
| R671 | 1M | 1M | 1M | 1M |
| R710 | 10k | 10k | 10k | 10k |
| R711 | 5.6k | 5.6k | 5.6k | 5.6k |
| R712 | 100 | 100 | 100 | 100 |
| R713 | 100 | 100 | 100 | 100 |
| R773 | 3.3k | 3.3k | 3.3k | 3.3k |
| R776 | 3.3k | 3.3k | 3.3k | 3.3k |
| C670 | 1/16 | 1/16 | 1/16 | 1/16 |
| C671 | 1/16 | 1/16 | 1/16 | 1/16 |
| C672 | 0.47/10 | 0.47/10 | 0.47/10 | 0.47/10 |
| C673 | OPEN | OPEN | OPEN | OPEN |
| C674 | OPEN | OPEN | OPEN | OPEN |
| C675 | 2.2/6.3 | 2.2/6.3 | 2.2/6.3 | 2.2/6.3 |
| C676 | 2.2/6.3 | 2.2/6.3 | 2.2/6.3 | 2.2/6.3 |
| C677 | 33p | 33p | 33p | 33p |
| C678 | 33p | 33p | 33p | 33p |
| C729 | 22/6.3 | 22/6.3 | 22/6.3 | 22/6.3 |
| C730 | 10/16 | 10/16 | 10/16 | 10/16 |
| C731 | 0.1 | 0.1 | 0.1 | 0.1 |
| C732 | 1/16 | 1/16 | 1/16 | 1/16 |
| C733 | 0.015 | 0.015 | 0.015 | 0.015 |
| C735 | 33p | 33p | 33p | 33p |
| C736 | 33p | 33p | 33p | 33p |
| C737 | 10/16 | 10/16 | 10/16 | 10/16 |
| C738 | 0.1 | 0.1 | 0.1 | 0.1 |
| D614 | OPEN | OPEN | OPEN | OPEN |
| D619 | UDZW6.2B-X | UDZW6.2B-X | UDZW6.2B-X | UDZW6.2B-X |
| K605 | NQR0499 -002X | NQR0499 -002X | NQR0499 -002X | NQR0499 -002X |
| X601 | NAX0857 -001X | NAX0857 -001X | NAX0857 -001X | NAX0857 -001X |
| Q615 | 2SA1530A/ QR/-X | 2SA1530A/ QR/-X | 2SA1530A/ QR/-X | 2SA1530A/ QR/-X |
| Q616 | 2SC3928A/ QR/-X | 2SC3928A/ QR/-X | 2SC3928A/ QR/-X | 2SC3928A/ QR/-X |
| Q617 | 2SC3928A/ QR/-X | 2SC3928A/ QR/-X | 2SC3928A/ QR/-X | 2SC3928A/ QR/-X |
| IC604 | MX3000CS-X | MX3000CS-X | MX3000CS-X | MX3000CS-X |
| IC608 | MM3143DN-X | MM3143DN-X | MM3143DN-X | MM3143DN-X |
| IC609 | OPEN | OPEN | OPEN | OPEN |

| | HD-61G887A<br>HD-56G887A<br>HD-52G887A | HD-61G657A<br>HD-56G657A<br>HD-52G657A | HD-61G587A<br>HD-52G587A | HD-61G567A<br>HD-52G567A |
|---|---|---|---|---|
| | OLLC09896 | OLLC10118 | OLLC10118 -02 | |
| R654 | OPEN | OPEN | OPEN | OPEN |
| R656 | OPEN | OPEN | OPEN | OPEN |
| R659 | OPEN | 0 | 0 | 0 |
| R660 | OPEN | 0 | 0 | 0 |
| R661 | 10k | OPEN | OPEN | OPEN |
| R662 | 6.8k | OPEN | OPEN | OPEN |
| R663 | 6.8k | OPEN | OPEN | OPEN |
| R664 | OPEN | OPEN | OPEN | OPEN |
| R665 | OPEN | OPEN | OPEN | OPEN |
| R666 | 0 | OPEN | OPEN | OPEN |
| R667 | 100 | OPEN | OPEN | OPEN |
| R668 | 100 | OPEN | OPEN | OPEN |
| R669 | OPEN | OPEN | OPEN | OPEN |
| R670 | OPEN | OPEN | OPEN | OPEN |
| R671 | 1M | OPEN | OPEN | OPEN |
| R710 | 10k | OPEN | OPEN | OPEN |
| R711 | 5.6k | OPEN | OPEN | OPEN |
| R712 | 100 | OPEN | OPEN | OPEN |
| R713 | 100 | OPEN | OPEN | OPEN |
| R773 | 3.3k | 10k | 10k | 10k |
| R776 | 3.3k | 10k | 10k | 10k |
| C670 | 1/16 | OPEN | OPEN | OPEN |
| C671 | 1/16 | OPEN | OPEN | OPEN |
| C672 | 0.47/10 | OPEN | OPEN | OPEN |
| C673 | OPEN | OPEN | OPEN | OPEN |
| C674 | OPEN | OPEN | OPEN | OPEN |
| C675 | 2.2/6.3 | OPEN | OPEN | OPEN |
| C676 | 2.2/6.3 | OPEN | OPEN | OPEN |
| C677 | 33p | OPEN | OPEN | OPEN |
| C678 | 33p | OPEN | OPEN | OPEN |
| C729 | 22/6.3 | OPEN | OPEN | OPEN |
| C730 | 10/16 | OPEN | OPEN | OPEN |
| C731 | 0.1 | OPEN | OPEN | OPEN |
| C732 | 1/16 | OPEN | OPEN | OPEN |
| C733 | 0.015 | OPEN | OPEN | OPEN |
| C735 | 33p | OPEN | OPEN | OPEN |
| C736 | 33p | OPEN | OPEN | OPEN |
| C737 | 10/16 | OPEN | OPEN | OPEN |
| C738 | 0.1 | OPEN | OPEN | OPEN |
| D614 | OPEN | OPEN | OPEN | OPEN |
| D619 | UDZW6.2B-X | OPEN | OPEN | OPEN |
| K605 | NQR0499 -002X | OPEN | OPEN | OPEN |
| X601 | NAX0857 -001X | OPEN | OPEN | OPEN |
| Q615 | 2SA812A /5-6/-X | OPEN | OPEN | OPEN |
| Q616 | 2SC1623A /5-6/-X | OPEN | OPEN | OPEN |
| Q617 | 2SC1623A /5-6/-X | OPEN | OPEN | OPEN |
| IC604 | MX3000CS-X | OPEN | OPEN | OPEN |
| IC608 | MM3143DN-X | OPEN | OPEN | OPEN |
| IC609 | OPEN | OPEN | OPEN | OPEN |

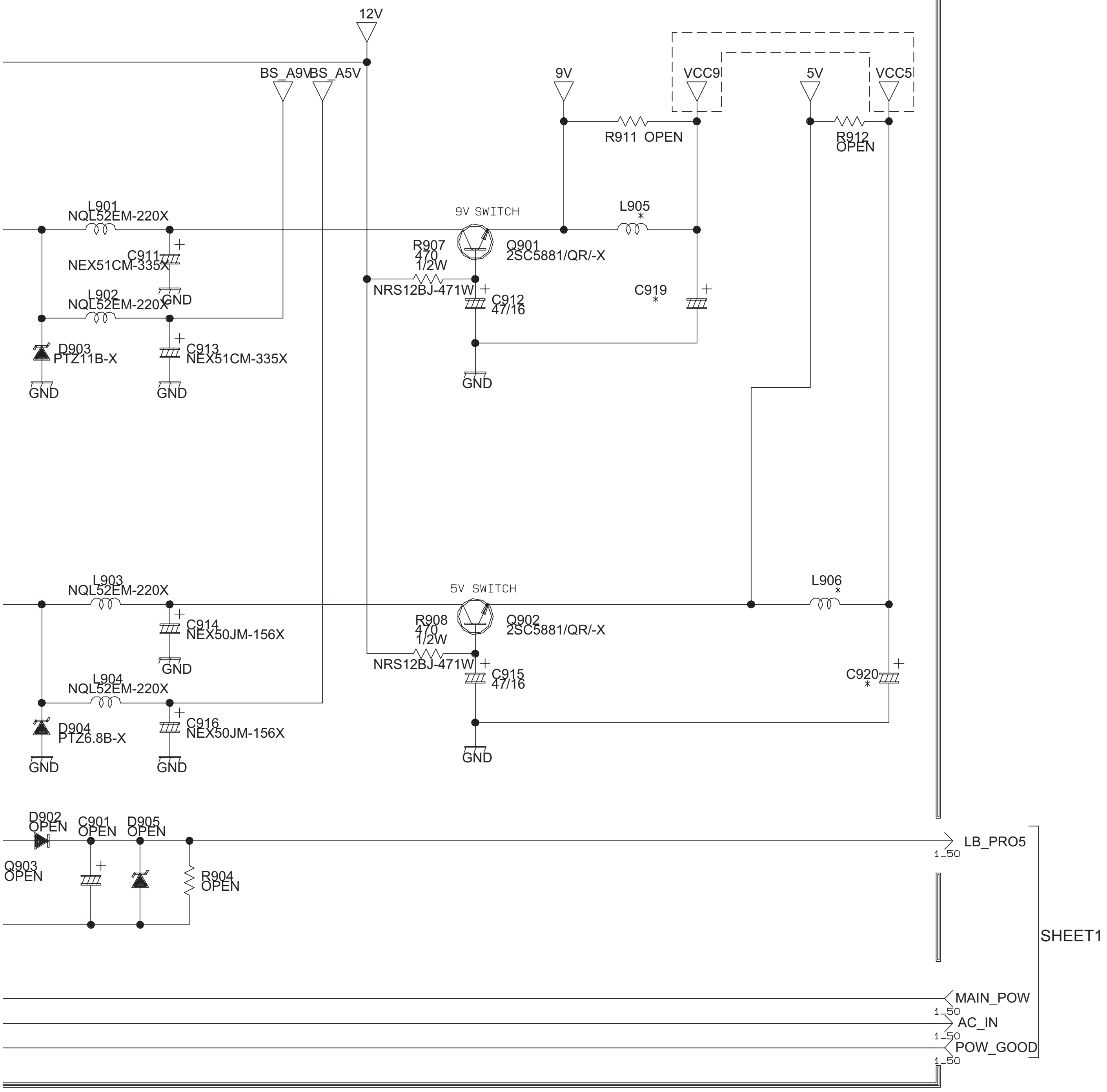
*ANALOG PWB CIRCUIT DIAGRAM (6/6) [POWER BLOCK] SHEET 6*


OPEN
32V
NC
GND
QGA2001C6-03X
CN1T2
1
2
3
GND
ILA5V
STB_5V
STB3.3V
IC902
MM1663DT-X
1
3
2
R917
0
NRSA02J-0R0X
C904
NCB11AK-106X
C905
47/16
NEHM1CM-476X
GND
CN1A3
QGA2001C6-12X
POWER PWB
ASS'Y(3/3)
CN9A3
(SHEET32)
32V 1
12V 2
GND 3
9V 4
GND 5
5V 6
GND 7
NC 8
GND 9
SDA3A5 10
SCL3A5 11
GND 12
GND
SHEET1,3,5
SCL3A5
SDA3A5
R913
OPEN
1_22L 2_1P 3_2K 4_1L
1_22L 2_10 3_2K 4_1L
R914
OPEN
Y607 0
Y608 0
Y609 0
Y902 0
GND_S1
GND
Y604 0
Y605 0
Y606 0
Y904 0
GND_S3
GND
Y610 0
Y611 0
Y612 0
Y903 0
GND_S2
GND
Y601 0
Y602 0
Y603 0
Y905 0
GND_S4
GND
CN1A2
QGA2001C6-05X
POWER
PWB
ASS'Y(1/3)
CN9A2
(SHEET30)
STB5V 1
GND 2
MAIN_POW 3
AC_IN 4
POW_GOOD 5
GND
R901
OPEN
R903
OPEN
R902
OPEN
GND

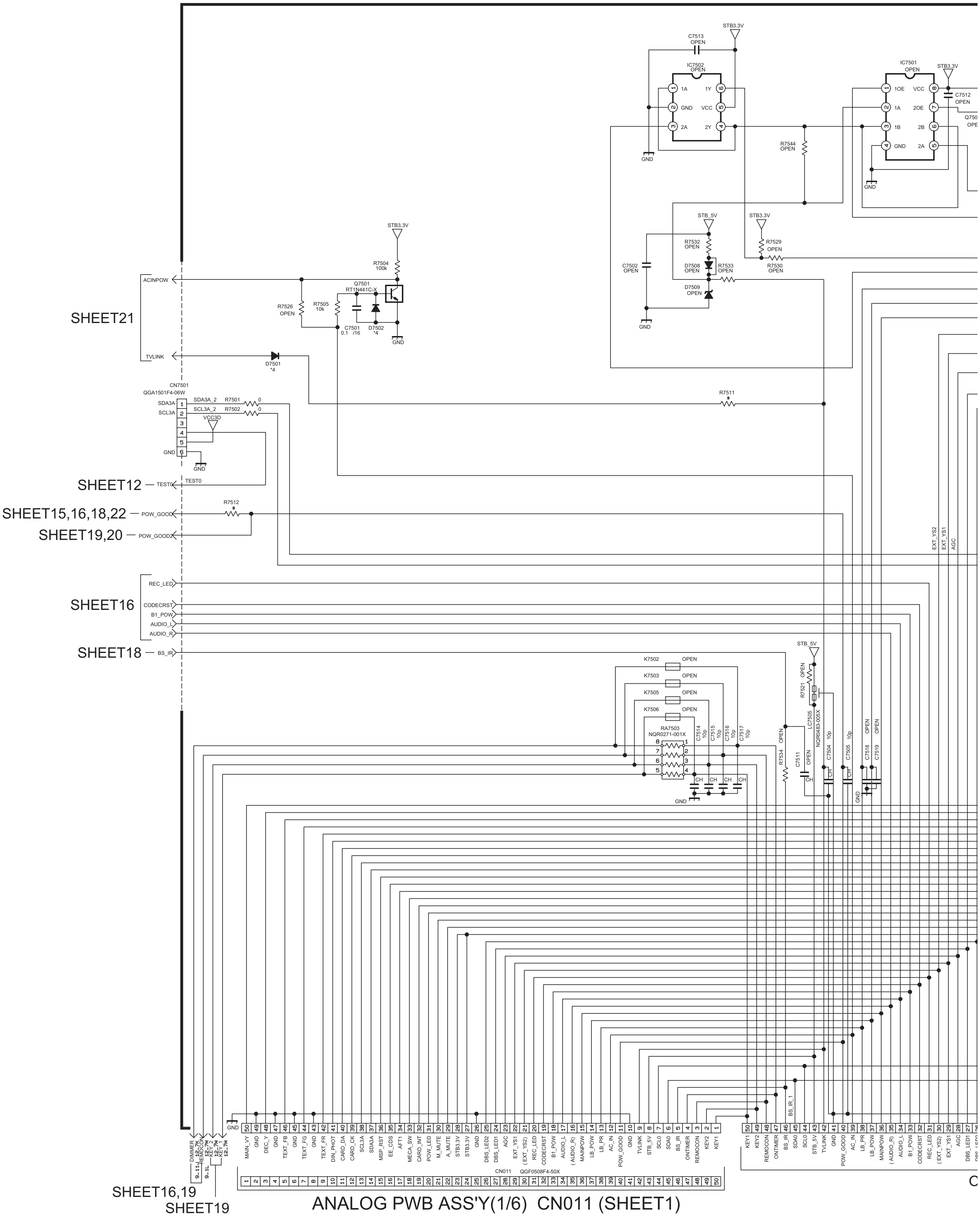
|  |  |  |  | DSP |  |  |  |  |
|---|---|---|---|---|---|---|---|---|
|  | HD-61G887A<br>HD-56G887A<br>HD-52G887A | HD-61G657A<br>HD-56G657A<br>HD-52G657A | HD-61G587A<br>HD-52G587A | HD-61G567A<br>HD-52G567A | HD-70FH97A<br>HD-61FH97A<br>HD-56FH97A<br>HD-52FH97A | HD-70FN97A<br>HD-61FN97A<br>HD-56FN97A<br>HD-52FN97A | HD-61FC97A<br>HD-56FC97A | HD-56FM97A |
|  | OLLC09896 | OLLC10118 | OLLC10118<br>-02 |  | OLLC10494 | OLLC10494<br>-02 |  |  |
| C919 | OPEN | OPEN | OPEN | OPEN | NEX51CM<br>-335X | NEX51CM<br>-335X | OPEN | OPEN |
| C920 | OPEN | OPEN | OPEN | OPEN | NEX50JM<br>-156X | NEX50JM<br>-156X | OPEN | OPEN |
| L905 | OPEN | OPEN | OPEN | OPEN | NQL52EM<br>-220X | NQL52EM<br>-220X | OPEN | OPEN |
| L906 | OPEN | OPEN | OPEN | OPEN | NQL52EM<br>-220X | NQL52EM<br>-220X | OPEN | OPEN |

# ANALOG PWB ASS'Y (6/6)

## SRA-1013A-M2


12V
BS_A9V
BS_A5V
9V
VCC9
5V
VCC5
R911 OPEN
R912
OPEN
L901
NQL52EM-220X
C911
NEX51CM-335X
GND
L902
NQL52EM-220X
D903
PTZ11B-X
C913
NEX51CM-335X
GND
GND
9V SWITCH
R907
470
1/2W
NRS12BJ-471W
Q901
2SC5881/QR/-X
C912
47/16
GND
L905
*
C919
*
L903
NQL52EM-220X
C914
NEX50JM-156X
GND
L904
NQL52EM-220X
D904
PTZ6.8B-X
C916
NEX50JM-156X
GND
GND
5V SWITCH
R908
470
1/2W
NRS12BJ-471W
Q902
2SC5881/QR/-X
C915
47/16
GND
L906
*
C920
*
D902
OPEN
C901
OPEN
D905
OPEN
Q903
OPEN
R904
OPEN
LB_PRO5
1_50
SHEET1
MAIN_POW
1_50
AC_IN
1_50
POW_GOOD
1_50

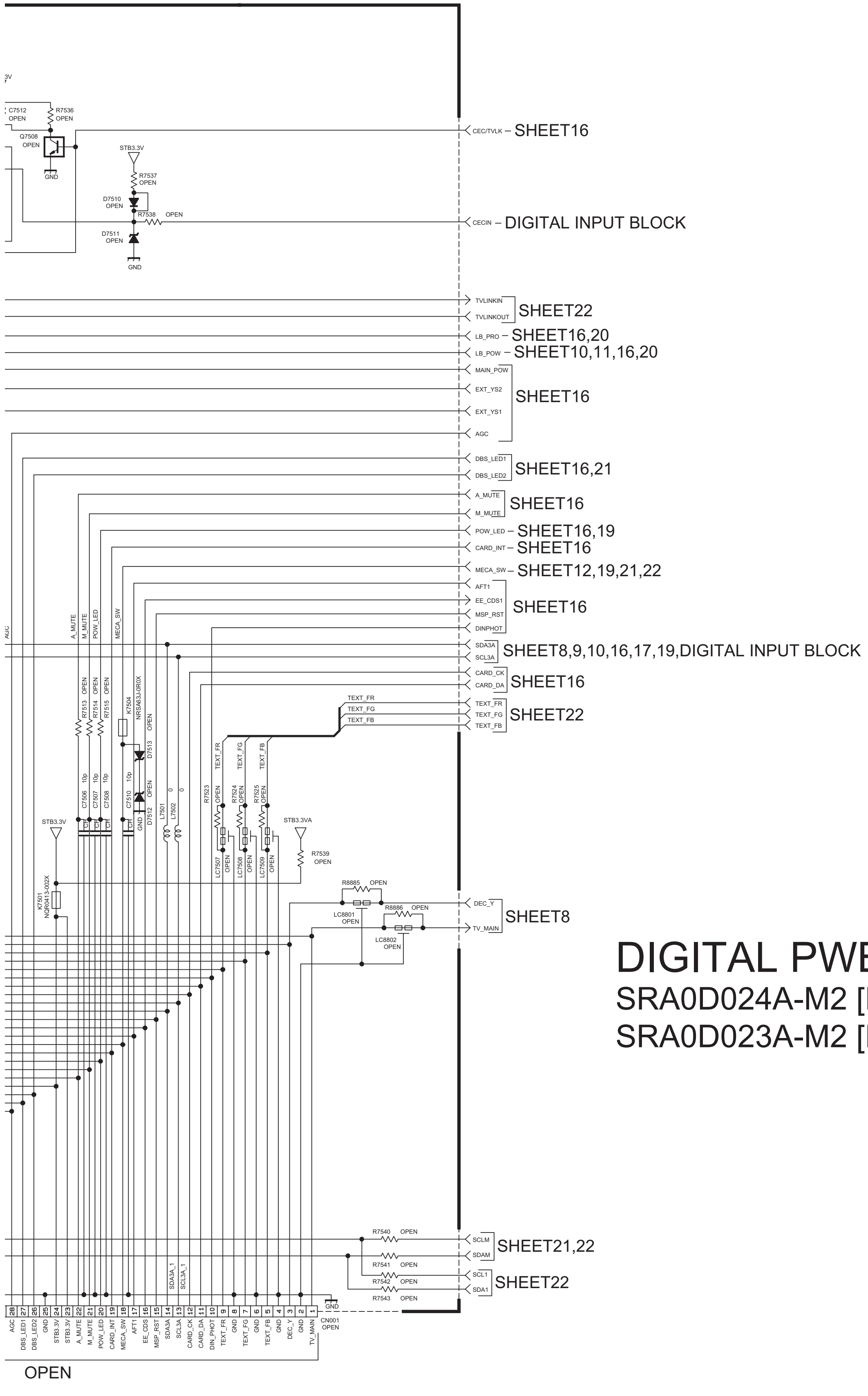
# DIGITAL PWB CIRCUIT DIAGRAM (1/16) [CONNECTOR BASE BLOCK] SHEET 7



SHEET21
ACINPOW
TVLINK
D7501 *4
R7526 OPEN
R7505 10k
Q7501 RT1N441C-X
R7504 100k
STB3.3V
C7501 0.1 /16
D7502 *4
GND
CN7501 QGA1501F4-06W
SDA3A
SCL3A
SDA3A_2
SCL3A_2
R7501 0
R7502 0
VCC3D
SHEET12
TEST0
SHEET15,16,18,22
POW_GOOD
R7512 *
SHEET19,20
POW_GOOD2
SHEET16
REC_LED
CODECRST
B1_POW
AUDIO_L
AUDIO_R
SHEET18
BS_IR
C7513 OPEN
IC7502 OPEN
1A
1Y
GND
VCC
2A
2Y
IC7501 OPEN
1OE
2OE
1B
2B
2A
C7512 OPEN
R7544 OPEN
STB_5V
R7532 OPEN
D7508 OPEN
R7533 OPEN
D7509 OPEN
C7502 OPEN
R7529 OPEN
R7530 OPEN
R7511 *
EXT_YS2
EXT_YS1
AGC
K7502 OPEN
K7503 OPEN
K7505 OPEN
K7506 OPEN
RA7503 NQR0271-001X
C7514 10p
C7515 10p
C7516 10p
C7517 10p
CH
R7534 OPEN
C7511 OPEN
R7521 OPEN
LC7505 NQR0483-005X
C7504 10p
C7505 10p
C7518 OPEN
C7519 OPEN
DIMMER
REMOCON
KEY_2
KEY_1
9.1L
12.7K
9.1L
12.7K
12.7K
MAIN_VY
DEC_Y
TEXT_FB
TEXT_FG
TEXT_FR
DIN_PHOT
CARD_DA
CARD_CK
SCL3A
SDA3A
MSP_RST
EE_CDS
AFT1
MECA_SW
CARD_INT
POW_LED
M_MUTE
A_MUTE
STB3.3V
DBS_LED2
DBS_LED1
AGC
EXT_YS1
( EXT_YS2)
REC_LED
CODECRST
B1_POW
AUDIO_L
( AUDIO_R)
MAINPOW
LB_POW
LB_PR
AC_IN
POW_GOOD
TVLINK
STB_5V
SCL0
SDA0
BS_IR
ONTIMER
REMOCON
KEY2
KEY1
BS_IR_1
CN011 QGF0508F4-50X
SHEET16,19
SHEET19
ANALOG PWB ASS'Y(1/6) CN011 (SHEET1)

* DIFFERENCE LIST

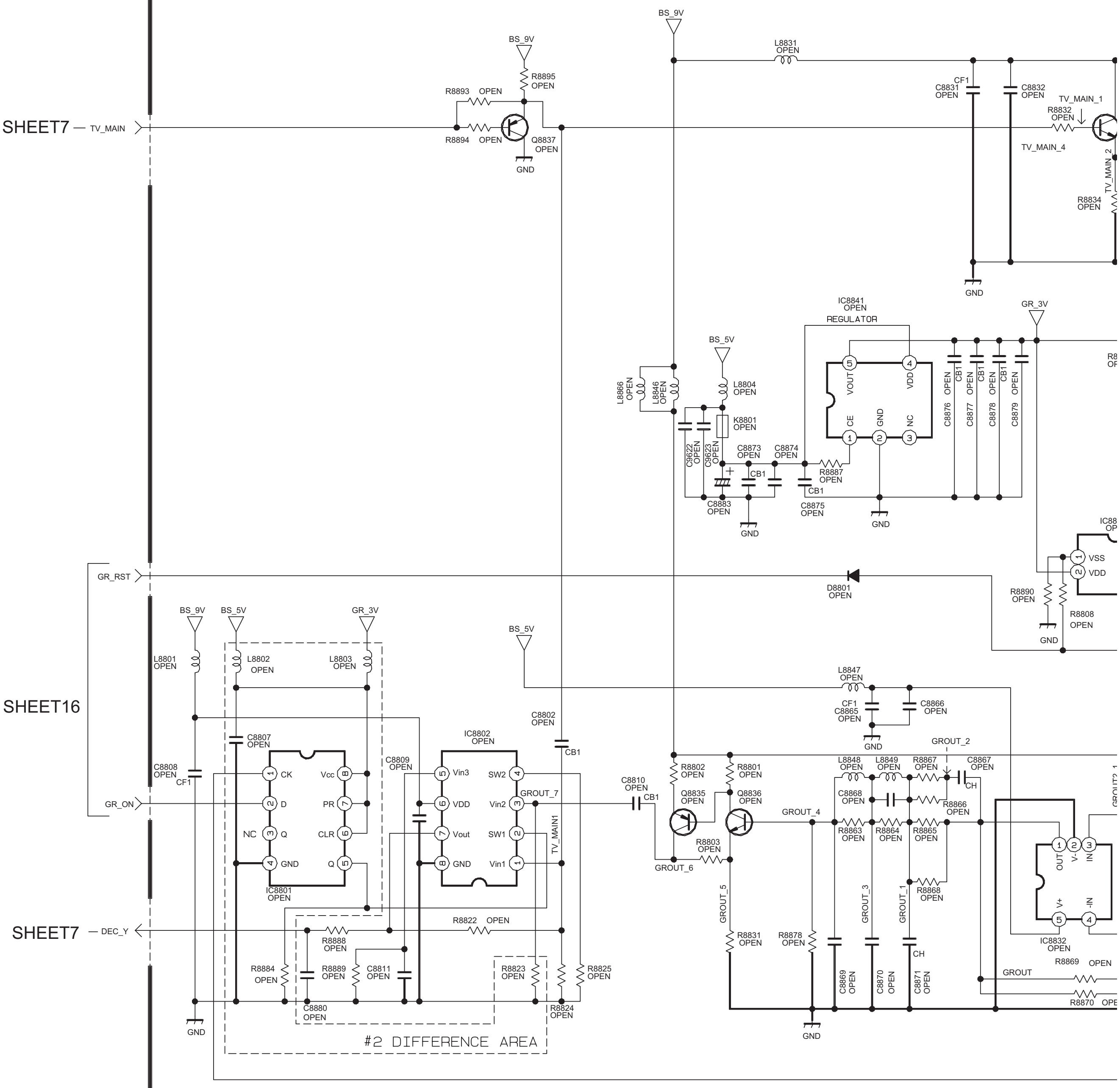
| ASSY NO. | SRA -0D011A | SRA -0D012A | SRA -0D013A | SRA -0D014A | SRA -0D015A | SRA -0D016A | SRA -0D017A | SRA -0D018A | SRA -0D019A | SRA -0D020A | SRA -0D021A | SRA -0D022A | SRA -0D023A | SRA -0D024A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | OLLC09895 | OLLC09895 -02 | OLLC09895 -03 | OLLC09895 -04 | OLLC09895 -05 | OLLC09895 -06 | OLLC10086 | OLLC10086 -02 | OLLC10086 -03 | OLLC10086 -04 | OLLC10086 -05 | OLLC10086 -06 | OLLC10086 -07 | OLLC10086 -08 |
| R7511 | OPEN | 0 | 0 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R7512 | OPEN | 0 | 0 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |


C7512 OPEN
R7536 OPEN
Q7508 OPEN
GND
STB3.3V
R7537 OPEN
D7510 OPEN
R7538 OPEN
D7511 OPEN
GND
CEC/TVLK – SHEET16
CECIN – DIGITAL INPUT BLOCK
TVLINKIN
TVLINKOUT
SHEET22
LB_PRO – SHEET16,20
LB_POW – SHEET10,11,16,20
MAIN_POW
EXT_YS2
EXT_YS1
AGC
SHEET16
DBS_LED1
DBS_LED2
SHEET16,21
A_MUTE
M_MUTE
SHEET16
POW_LED – SHEET16,19
CARD_INT – SHEET16
MECA_SW – SHEET12,19,21,22
AFT1
EE_CDS1
MSP_RST
DINPHOT
SHEET16
SDA3A
SCL3A
SHEET8,9,10,16,17,19,DIGITAL INPUT BLOCK
CARD_CK
CARD_DA
SHEET16
TEXT_FR
TEXT_FG
TEXT_FB
SHEET22
AGC
A_MUTE
M_MUTE
POW_LED
MECA_SW
R7513 OPEN
R7514 OPEN
R7515 OPEN
K7504 NRSA63J-0R0X
D7513 OPEN
C7506 10p
C7507 10p
C7508 10p
C7510 10p
CH
GND
D7512 OPEN
L7501 0
L7502 0
R7523 OPEN
R7524 OPEN
R7525 OPEN
LC7507 OPEN
LC7508 OPEN
LC7509 OPEN
STB3.3V
STB3.3VA
R7539 OPEN
K7501 NQR0413-002X
R8885 OPEN
LC8801 OPEN
R8886 OPEN
LC8802 OPEN
DEC_Y
TV_MAIN
SHEET8
R7540 OPEN
R7541 OPEN
R7542 OPEN
R7543 OPEN
SCLM
SDAM
SHEET21,22
SCL1
SDA1
SHEET22
SDA3A_1
SCL3A_1
GND
28 AGC
27 DBS_LED1
26 DBS_LED2
25 GND
24 STB3.3V
23 STB3.3V
22 A_MUTE
21 M_MUTE
20 POW_LED
19 CARD_INT
18 MECA_SW
17 AFT1
16 EE_CDS
15 MSP_RST
14 SDA3A
13 SCL3A
12 CARD_CK
11 CARD_DA
10 DIN_PHOT
9 TEXT_FR
8 GND
7 TEXT_FG
6 GND
5 TEXT_FB
4 GND
3 DEC_Y
2 GND
1 TV_MAIN
CN001 OPEN
OPEN

# DIGITAL PWB ASS'Y (1/16)

## SRA0D024A-M2 [HD-52G587]
## SRA0D023A-M2 [HD-61G587]

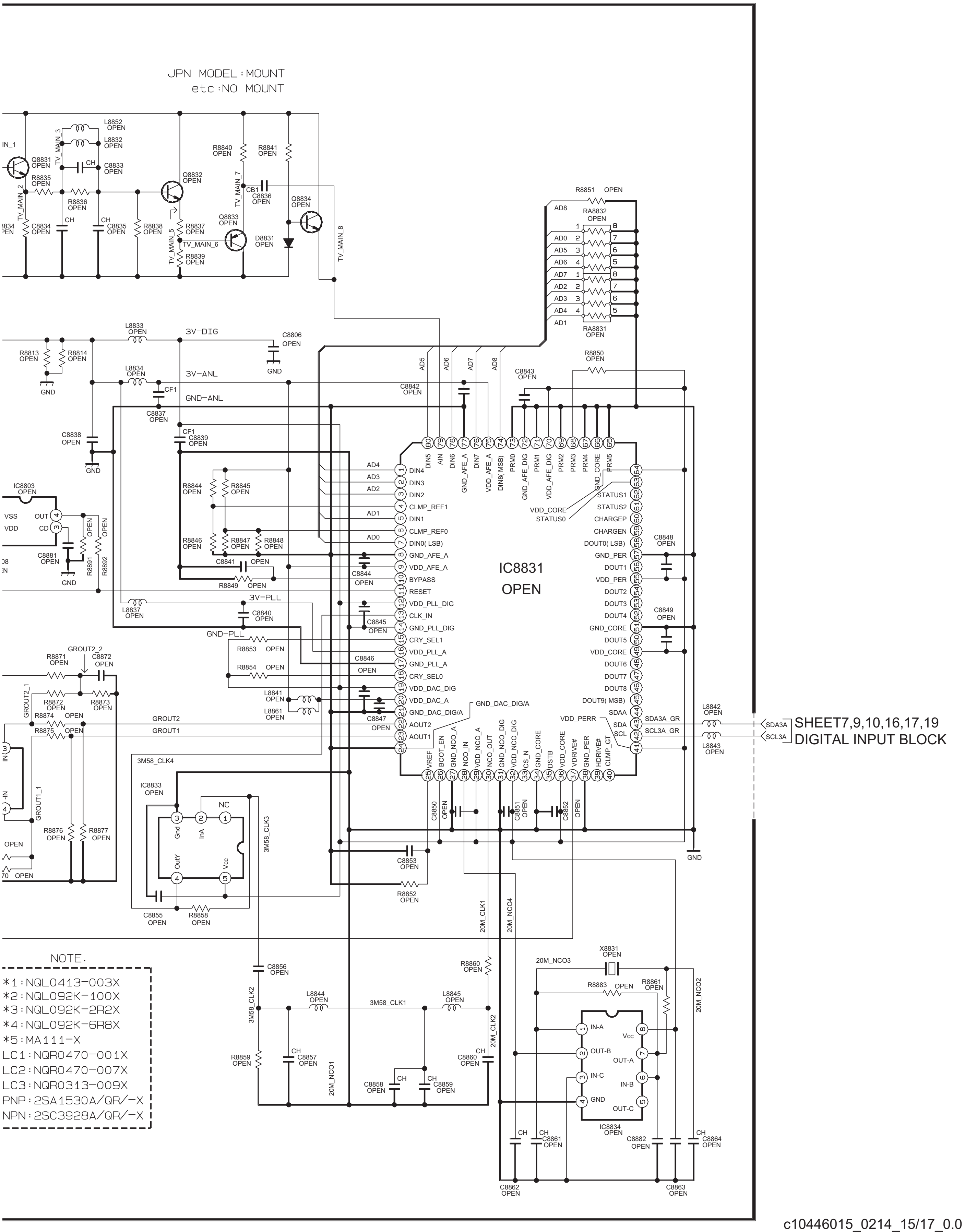
c10446011_0214_11/17_0.0


SHEET7
TV_MAIN
BS_9V
R8895 OPEN
R8893 OPEN
R8894 OPEN
Q8837 OPEN
GND
L8831 OPEN
CF1
C8831 OPEN
C8832 OPEN
TV_MAIN_1
R8832 OPEN
TV_MAIN_4
TV_MAIN_2
R8834 OPEN
IC8841 OPEN
REGULATOR
GR_3V
BS_5V
L8866 OPEN
L8846 OPEN
L8804 OPEN
K8801 OPEN
C9622 OPEN
C9623 OPEN
C8873 OPEN
C8874 OPEN
R8887 OPEN
CB1
C8883 OPEN
C8875 OPEN
VOUT
VDD
CE
GND
NC
C8876 OPEN
C8877 OPEN
C8878 OPEN
C8879 OPEN
VSS
GR_RST
D8801 OPEN
R8890 OPEN
R8808 OPEN
SHEET16
L8801 OPEN
L8802 OPEN
L8803 OPEN
C8807 OPEN
C8808 OPEN
CK
D
Q
GND
Vcc
PR
CLR
IC8801 OPEN
GR_ON
C8809 OPEN
IC8802 OPEN
Vin3
VDD
Vout
SW2
Vin2
SW1
Vin1
GROUT_7
C8802 OPEN
TV_MAIN1
L8847 OPEN
C8865 OPEN
C8866 OPEN
C8810 OPEN
R8802 OPEN
R8801 OPEN
Q8835 OPEN
Q8836 OPEN
R8803 OPEN
GROUT_6
GROUT_4
GROUT_5
GROUT_3
GROUT_1
GROUT_2
L8848 OPEN
L8849 OPEN
R8867 OPEN
C8867 OPEN
CH
C8868 OPEN
R8866 OPEN
R8863 OPEN
R8864 OPEN
R8865 OPEN
R8868 OPEN
R8831 OPEN
R8878 OPEN
C8869 OPEN
C8870 OPEN
C8871 OPEN
IC8832 OPEN
OUT
V-
IN
V+
-IN
R8869 OPEN
R8870 OPEN
GROUT
SHEET7
DEC_Y
R8822 OPEN
R8888 OPEN
R8884 OPEN
R8889 OPEN
C8811 OPEN
C8880 OPEN
R8823 OPEN
R8824 OPEN
R8825 OPEN
#2 DIFFERENCE AREA

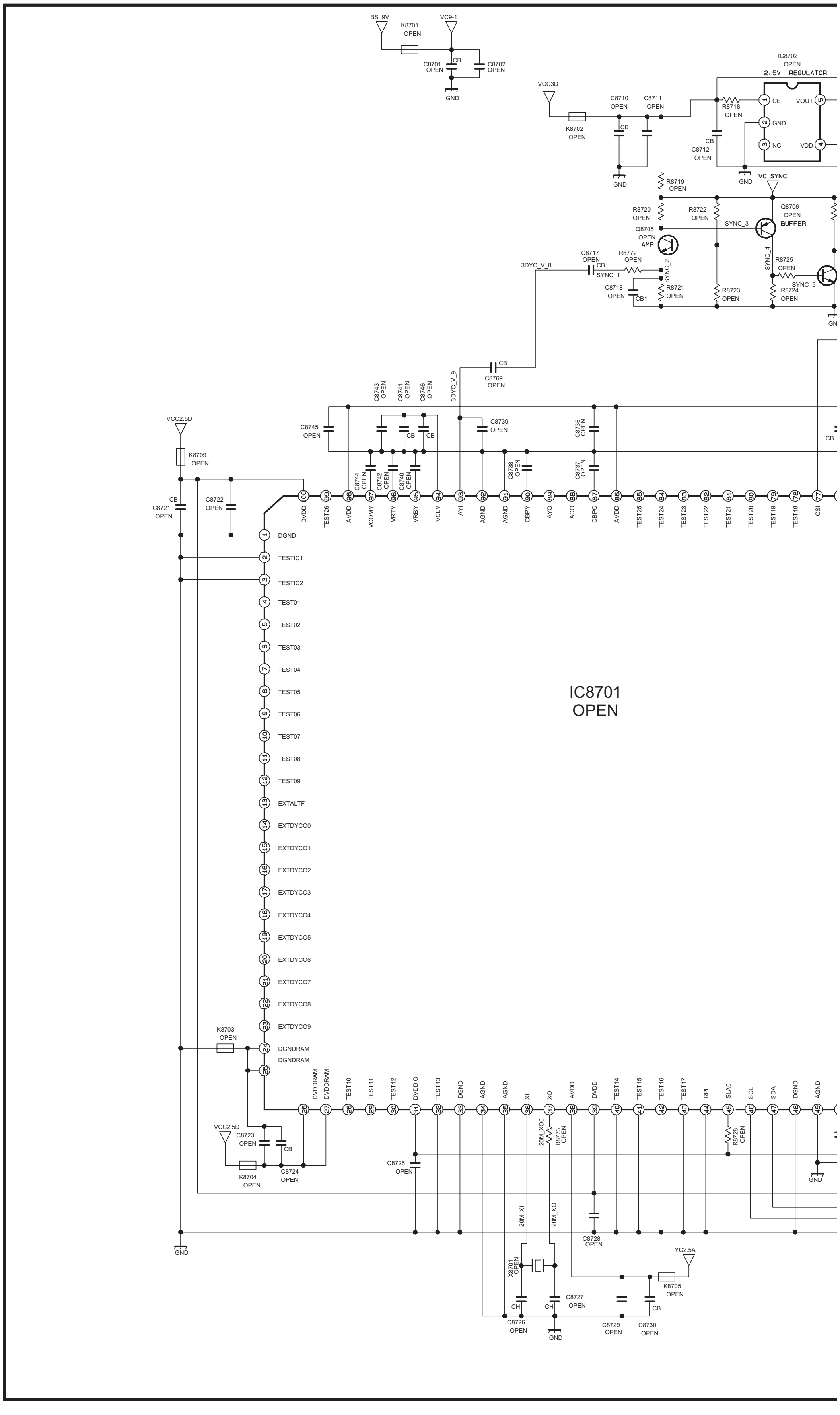
*1:
*2:
*3:
*4:
*5:
LC1
LC2
LC3
PNP
NPN

# DIGITAL PWB ASS'Y (2/16)

## SRA0D024A-M2 [HD-52G587]
## SRA0D023A-M2 [HD-61G587]


JPN MODEL:MOUNT
etc:NO MOUNT
L8852 OPEN
L8832 OPEN
C8833 OPEN
Q8831 OPEN
R8835 OPEN
R8836 OPEN
C8834 OPEN
C8835 OPEN
R8838 OPEN
Q8832 OPEN
R8837 OPEN
R8839 OPEN
Q8833 OPEN
TV_MAIN_2
TV_MAIN_3
TV_MAIN_5
TV_MAIN_6
TV_MAIN_7
TV_MAIN_8
R8840 OPEN
R8841 OPEN
CB1
C8836 OPEN
Q8834 OPEN
D8831 OPEN
R8851 OPEN
RA8832 OPEN
RA8831 OPEN
AD0
AD1
AD2
AD3
AD4
AD5
AD6
AD7
AD8
L8833 OPEN
3V-DIG
C8806 OPEN
GND
R8813 OPEN
R8814 OPEN
L8834 OPEN
3V-ANL
CF1
GND-ANL
C8837 OPEN
C8838 OPEN
C8839 OPEN
C8842 OPEN
C8843 OPEN
R8850 OPEN
R8844 OPEN
R8845 OPEN
R8846 OPEN
R8847 OPEN
R8848 OPEN
C8841 OPEN
R8849 OPEN
C8844 OPEN
L8837 OPEN
3V-PLL
C8840 OPEN
C8845 OPEN
GND-PLL
R8853 OPEN
R8854 OPEN
C8846 OPEN
L8841 OPEN
L8861 OPEN
C8847 OPEN
GND_DAC_DIG/A
IC8803 OPEN
VSS
VDD
OUT
CD
C8881 OPEN
R8891
R8892
GROUT2_2
R8871 OPEN
C8872 OPEN
GROUT2_1
R8872 OPEN
R8873 OPEN
R8874 OPEN
R8875 OPEN
GROUT2
GROUT1
GROUT1_1
R8876 OPEN
R8877 OPEN
3M58_CLK4
IC8833 OPEN
NC
Gnd
InA
OutY
Vcc
3M58_CLK3
C8855 OPEN
R8858 OPEN
IC8831
OPEN
DIN4
DIN3
DIN2
CLMP_REF1
DIN1
CLMP_REF0
DIN0( LSB)
GND_AFE_A
VDD_AFE_A
BYPASS
RESET
VDD_PLL_DIG
CLK_IN
GND_PLL_DIG
CRY_SEL1
VDD_PLL_A
GND_PLL_A
CRY_SEL0
VDD_DAC_DIG
VDD_DAC_A
GND_DAC_DIG/A
AOUT2
AOUT1
DIN5
AIN
DIN6
GND_AFE_A
DIN7
VDD_AFE_A
DIN8( MSB)
PRM0
GND_AFE_DIG
PRM1
VDD_AFE_DIG
PRM2
PRM3
PRM4
GND_CORE
PRM5
VDD_CORE
STATUS0
STATUS1
STATUS2
CHARGEP
CHARGEN
DOUT0( LSB)
GND_PER
DOUT1
VDD_PER
DOUT2
DOUT3
DOUT4
GND_CORE
DOUT5
VDD_CORE
DOUT6
DOUT7
DOUT8
DOUT9( MSB)
SDAA
VDD_PERR
SDA
SCL
VREF
BOOT_EN
GND_NCO_A
NCO_IN
VDD_NCO_A
NCO_OUT
GND_NCO_DIG
VDD_NCO_DIG
CS_N
GND_CORE
DSTB
VDD_CORE
VDRIVE#
GND_PER
HDRIVE#
CLMP_GT
C8848 OPEN
C8849 OPEN
L8842 OPEN
L8843 OPEN
SDA3A_GR
SCL3A_GR
SDA3A
SCL3A
SHEET7,9,10,16,17,19
DIGITAL INPUT BLOCK
C8850 OPEN
C8851 OPEN
C8852 OPEN
C8853 OPEN
R8852 OPEN
20M_CLK1
20M_NCO4
NOTE.
*1:NQL0413-003X
*2:NQL092K-100X
*3:NQL092K-2R2X
*4:NQL092K-6R8X
*5:MA111-X
LC1:NQR0470-001X
LC2:NQR0470-007X
LC3:NQR0313-009X
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
C8856 OPEN
3M58_CLK2
L8844 OPEN
3M58_CLK1
L8845 OPEN
R8860 OPEN
20M_CLK2
R8859 OPEN
C8857 OPEN
20M_NCO1
C8858 OPEN
C8859 OPEN
C8860 OPEN
X8831 OPEN
20M_NCO3
R8883 OPEN
R8861 OPEN
20M_NCO2
IN-A
OUT-B
IN-C
GND
Vcc
OUT-A
IN-B
OUT-C
IC8834 OPEN
C8861 OPEN
C8862 OPEN
C8882 OPEN
C8863 OPEN
C8864 OPEN
CH

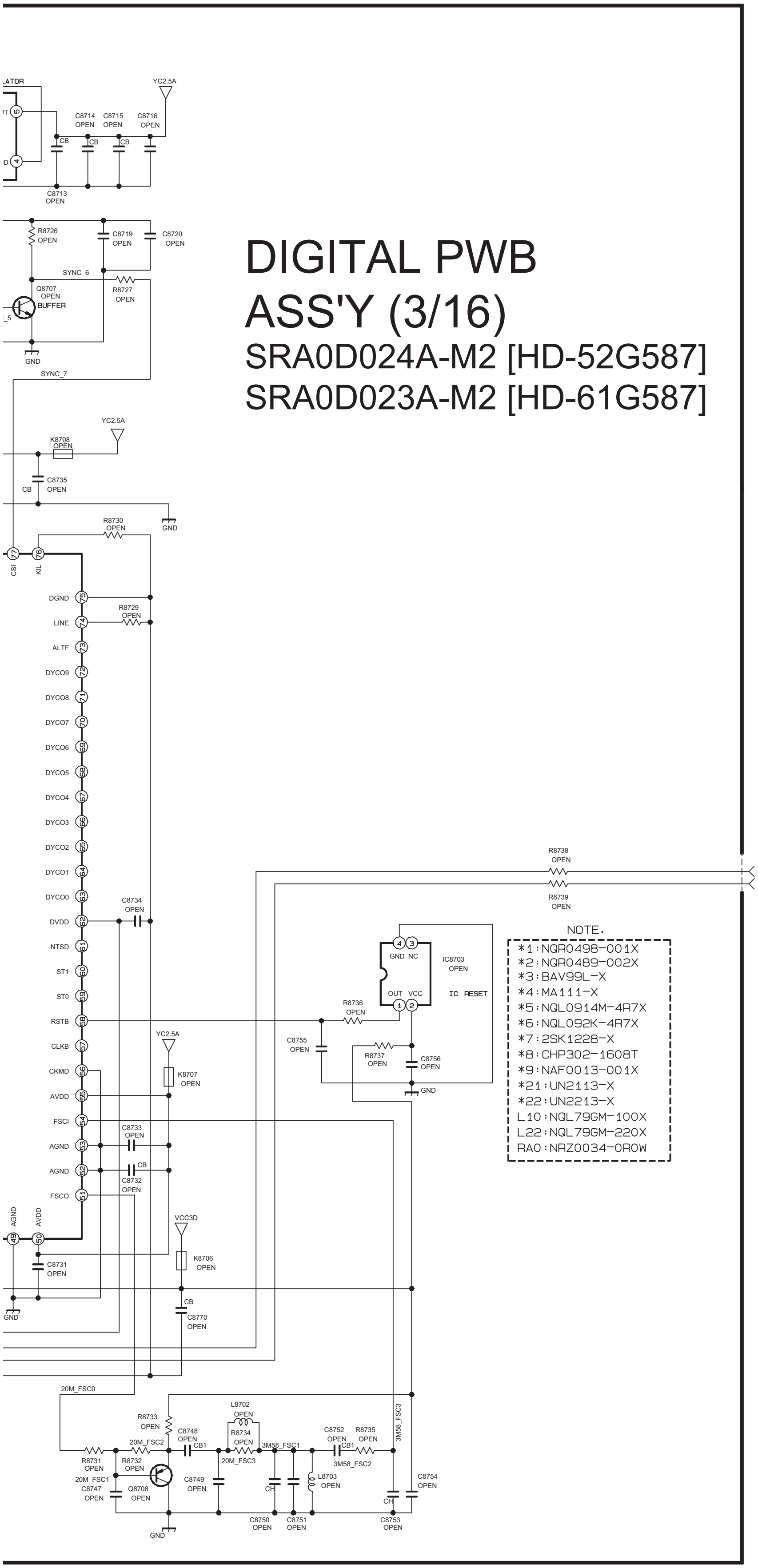
# *DIGITAL PWB CIRCUIT DIAGRAM (3/16) [Y/C SEPARATOR BLOCK (OPTIONAL)] SHEET 9*



BS_9V
K8701
OPEN
VC9-1
C8701
OPEN
CB
C8702
OPEN
GND
IC8702
OPEN
2.5V REGULATOR
VCC3D
C8710
OPEN
C8711
OPEN
R8718
OPEN
CE
VOUT
GND
NC
VDD
K8702
OPEN
CB
C8712
OPEN
GND
VC_SYNC
R8719
OPEN
R8720
OPEN
R8722
OPEN
Q8706
OPEN
BUFFER
Q8705
OPEN
AMP
SYNC_3
SYNC_4
C8717
OPEN
R8772
OPEN
R8725
OPEN
3DYC_V_8
SYNC_1
SYNC_2
SYNC_5
R8724
OPEN
C8718
OPEN
CB1
R8721
OPEN
R8723
OPEN
CB
C8769
OPEN
3DYC_V_9
C8743
OPEN
C8741
OPEN
C8746
OPEN
VCC2.5D
C8745
OPEN
C8739
OPEN
C8736
OPEN
K8709
OPEN
C8744
OPEN
C8742
OPEN
C8740
OPEN
C8738
OPEN
C8737
OPEN
C8721
OPEN
C8722
OPEN
DVDD
TEST26
AVDD
VCOMY
VRTY
VRBY
VCLY
AYI
AGND
AGND
CBPY
AYO
ACO
CBPC
AVDD
TEST25
TEST24
TEST23
TEST22
TEST21
TEST20
TEST19
TEST18
CSI
DGND
TESTIC1
TESTIC2
TEST01
TEST02
TEST03
TEST04
TEST05
TEST06
TEST07
TEST08
TEST09
EXTALTF
EXTDYCO0
EXTDYCO1
EXTDYCO2
EXTDYCO3
EXTDYCO4
EXTDYCO5
EXTDYCO6
EXTDYCO7
EXTDYCO8
EXTDYCO9
DGNDRAM
DGNDRAM
IC8701
OPEN
K8703
OPEN
DVDDRAM
DVDDRAM
TEST10
TEST11
TEST12
DVDDIO
TEST13
DGND
AGND
AGND
XI
XO
AVDD
DVDD
TEST14
TEST15
TEST16
TEST17
RPLL
SLA0
SCL
SDA
DGND
AGND
VCC2.5D
C8723
OPEN
K8704
OPEN
C8724
OPEN
C8725
OPEN
20M_XO0
R8773
OPEN
R8726
OPEN
20M_XI
20M_XO
C8728
OPEN
YC2.5A
X8701
OPEN
K8705
OPEN
C8727
OPEN
CH
CH
C8726
OPEN
GND
C8729
OPEN
C8730
OPEN
GND

# DIGITAL PWB ASS'Y (3/16)

## SRA0D024A-M2 [HD-52G587]
## SRA0D023A-M2 [HD-61G587]



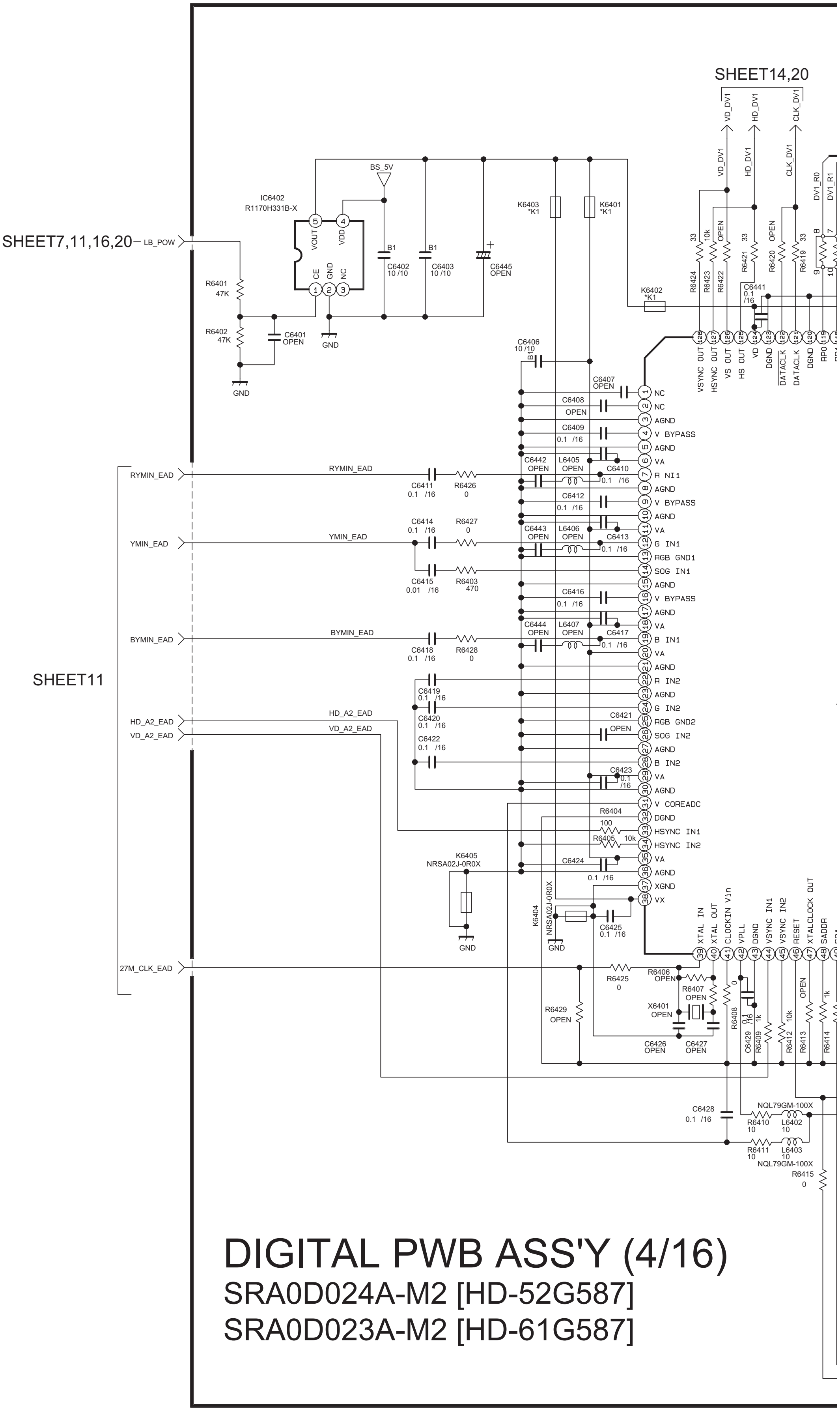
YC2.5A
C8714 OPEN
C8715 OPEN
C8716 OPEN
CB
C8713 OPEN
R8726 OPEN
C8719 OPEN
C8720 OPEN
SYNC_6
Q8707 OPEN BUFFER
R8727 OPEN
GND
SYNC_7
K8708 OPEN
C8735 OPEN
R8730 OPEN
CSI 77
KIL 76
DGND 75
LINE 74
R8729 OPEN
ALTF 73
DYCO9 72
DYCO8 71
DYCO7 70
DYCO6 69
DYCO5 68
DYCO4 67
DYCO3 66
DYCO2 65
DYCO1 64
DYCO0 63
DVDD 62
C8734 OPEN
NTSD 61
ST1 60
ST0 59
RSTB 58
CLKB 57
CKMD 56
AVDD 55
FSCI 54
AGND 53
AGND 52
FSCO 51
AGND 49
AVDD 50
K8707 OPEN
C8733 OPEN
C8732 OPEN
VCC3D
K8706 OPEN
C8731 OPEN
C8770 OPEN
R8738 OPEN
R8739 OPEN
SDA3A
SCL3A
IC8703 OPEN
GND NC
OUT VCC
IC RESET
R8736 OPEN
C8755 OPEN
R8737 OPEN
C8756 OPEN
20M_FSC0
R8733 OPEN
C8748 OPEN
CB1
L8702 OPEN
R8734 OPEN
20M_FSC2
20M_FSC3
3M58_FSC1
C8752 OPEN
R8735 OPEN
3M58_FSC2
3M58_FSC3
R8731 OPEN
R8732 OPEN
20M_FSC1
C8747 OPEN
Q8708 OPEN
C8749 OPEN
L8703 OPEN
C8750 OPEN
C8751 OPEN
C8753 OPEN
C8754 OPEN
CH

SHEET7,8,10,16,17,19
DIGITAL INPUT BLOCK

NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*3:BAV99L-X
*4:MA111-X
*5:NQL0914M-4R7X
*6:NQL092K-4R7X
*7:2SK1228-X
*8:CHP302-1608T
*9:NAF0013-001X
*21:UN2113-X
*22:UN2213-X
L10:NQL79GM-100X
L22:NQL79GM-220X
RA0:NRZ0034-0R0W

c10446014_0214_14/17_0.0

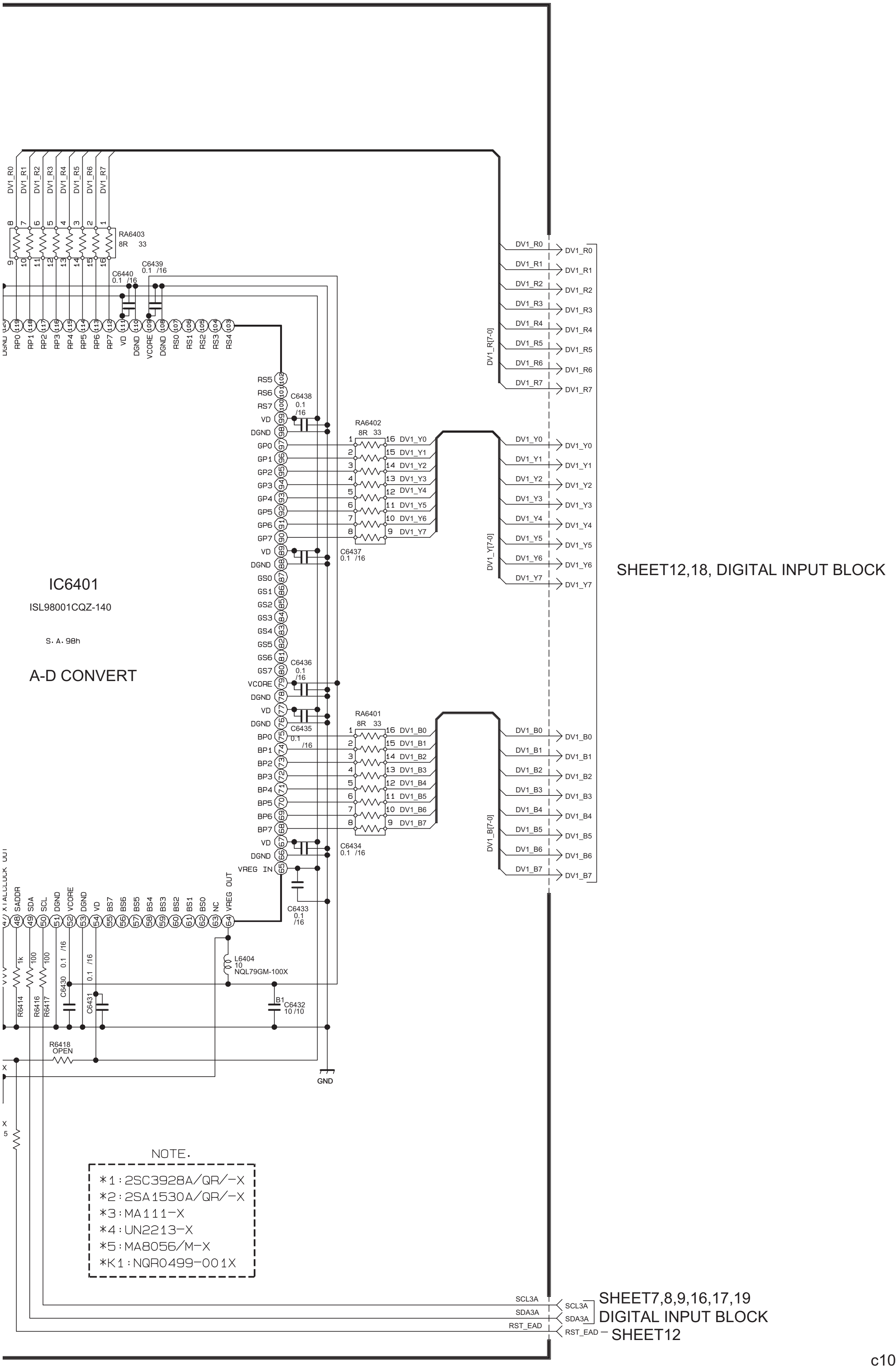
# DIGITAL PWB CIRCUIT DIAGRAM (4/16) [A/D CONVERTER BLOCK] SHEET 10


SHEET14,20
VD_DV1
HD_DV1
CLK_DV1
DV1_R0
DV1_R1
SHEET7,11,16,20
LB_POW
BS_5V
IC6402
R1170H331B-X
VOUT
VDD
CE
GND
NC
R6401
47K
R6402
47K
C6401
OPEN
GND
B1
C6402
10 /10
B1
C6403
10 /10
C6445
OPEN
K6403
*K1
K6401
*K1
K6402
*K1
R6424
33
R6423
10k
R6422
OPEN
R6421
33
R6420
OPEN
R6419
33
C6441
0.1
/16
C6406
10 /10
B1
C6407
OPEN
C6408
OPEN
C6409
0.1 /16
C6442
OPEN
L6405
OPEN
C6410
0.1 /16
C6412
0.1 /16
C6443
OPEN
L6406
OPEN
C6413
0.1 /16
C6416
0.1 /16
C6444
OPEN
L6407
OPEN
C6417
0.1 /16
C6421
OPEN
C6423
0.1
/16
R6404
100
R6405
10k
C6424
0.1 /16
C6425
0.1 /16
K6404
NRSA02J-0R0X
K6405
NRSA02J-0R0X
GND
SHEET11
RYMIN_EAD
YMIN_EAD
BYMIN_EAD
HD_A2_EAD
VD_A2_EAD
27M_CLK_EAD
C6411
0.1 /16
R6426
0
C6414
0.1 /16
R6427
0
C6415
0.01 /16
R6403
470
C6418
0.1 /16
R6428
0
C6419
0.1 /16
C6420
0.1 /16
C6422
0.1 /16
1 NC
2 NC
3 AGND
4 V BYPASS
5 AGND
6 VA
7 R IN1
8 AGND
9 V BYPASS
10 AGND
11 VA
12 G IN1
13 RGB GND1
14 SOG IN1
15 AGND
16 V BYPASS
17 AGND
18 VA
19 B IN1
20 VA
21 AGND
22 R IN2
23 AGND
24 G IN2
25 RGB GND2
26 SOG IN2
27 AGND
28 B IN2
29 VA
30 AGND
31 V COREADC
32 DGND
33 HSYNC IN1
34 HSYNC IN2
35 VA
36 AGND
37 XGND
38 VX
39 XTAL IN
40 XTAL OUT
41 CLOCKIN Vin
42 VPLL
43 DGND
44 VSYNC IN1
45 VSYNC IN2
46 RESET
47 XTALCLOCK OUT
48 SADDR
128 VSYNC OUT
127 HSYNC OUT
126 VS OUT
125 HS OUT
124 VD
123 DGND
122 DATACLK
121 DATACLK
120 DGND
119 RP0
8
7
9
10
R6406
OPEN
R6425
0
R6407
OPEN
R6429
OPEN
X6401
OPEN
C6426
OPEN
C6427
OPEN
R6408
0
C6429
0.1
/16
R6409
1k
R6412
10k
R6413
OPEN
R6414
1k
C6428
0.1 /16
NQL79GM-100X
R6410
10
L6402
10
R6411
10
L6403
10
NQL79GM-100X
R6415
0

DIGITAL PWB ASS'Y (4/16)

SRA0D024A-M2 [HD-52G587]

SRA0D023A-M2 [HD-61G587]

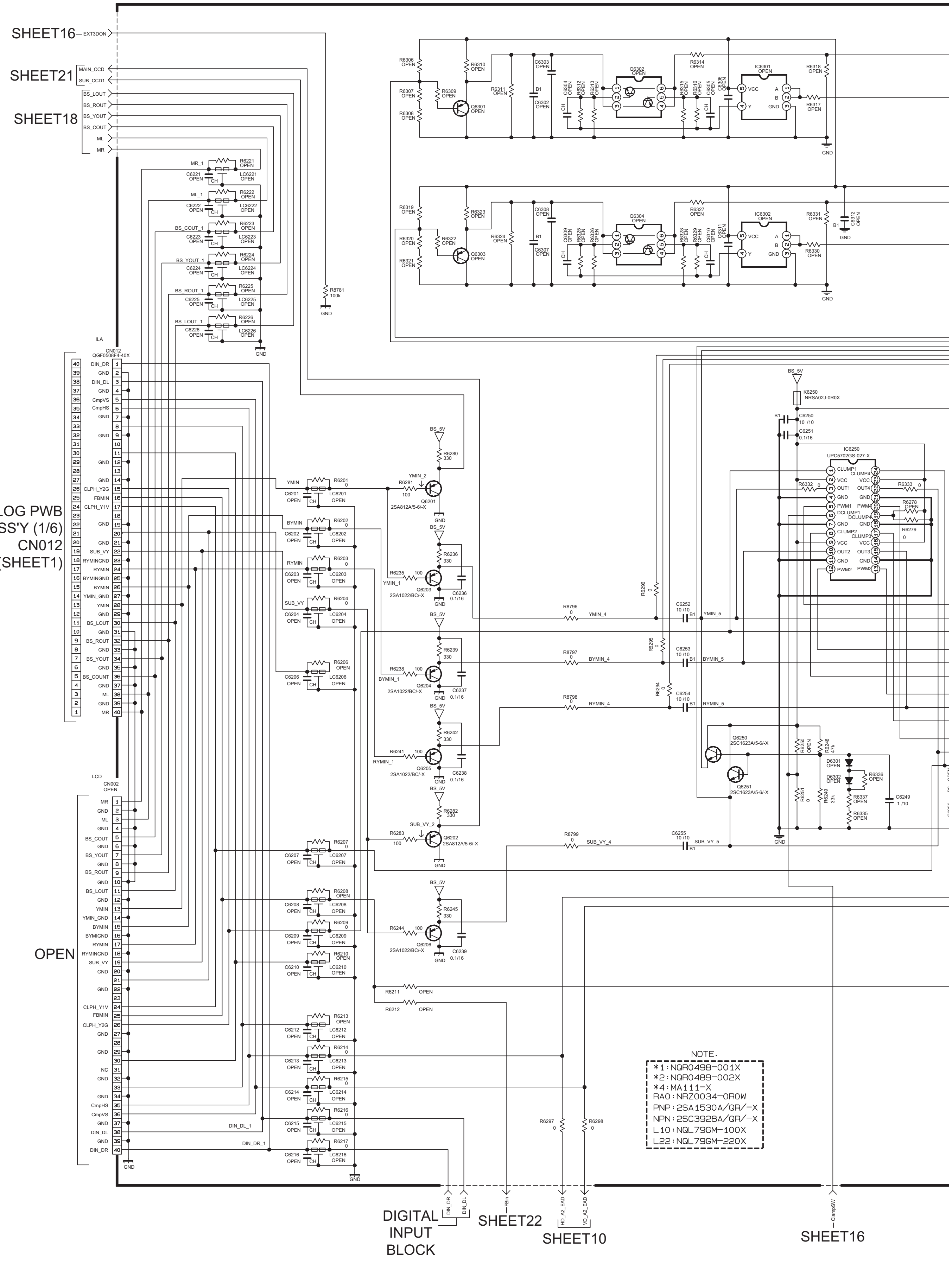

IC6401
ISL98001CQZ-140
S.A.98h
A-D CONVERT
RA6403 8R 33
RA6402 8R 33
RA6401 8R 33
C6440 0.1 /16
C6439 0.1 /16
C6438 0.1 /16
C6437 0.1 /16
C6436 0.1 /16
C6435 0.1 /16
C6434 0.1 /16
C6433 0.1 /16
C6432 10 /10
C6430 0.1 /16
C6431 0.1 /16
L6404 10 NQL79GM-100X
R6414 1k
R6416 100
R6417 100
R6418 OPEN
GND
DV1_R0
DV1_R1
DV1_R2
DV1_R3
DV1_R4
DV1_R5
DV1_R6
DV1_R7
DV1_R[7-0]
DV1_Y0
DV1_Y1
DV1_Y2
DV1_Y3
DV1_Y4
DV1_Y5
DV1_Y6
DV1_Y7
DV1_Y[7-0]
DV1_B0
DV1_B1
DV1_B2
DV1_B3
DV1_B4
DV1_B5
DV1_B6
DV1_B7
DV1_B[7-0]
RP0 RP1 RP2 RP3 RP4 RP5 RP6 RP7 VD DGND VCORE DGND RS0 RS1 RS2 RS3 RS4
RS5 RS6 RS7 VD DGND GP0 GP1 GP2 GP3 GP4 GP5 GP6 GP7 VD DGND
GS0 GS1 GS2 GS3 GS4 GS5 GS6 GS7 VCORE DGND VD DGND
BP0 BP1 BP2 BP3 BP4 BP5 BP6 BP7 VD DGND VREG IN
XTALCLOCK OUT SADDR SDA SCL DGND VCORE DGND VD BS7 BS6 BS5 BS4 BS3 BS2 BS1 BS0 NC VREG OUT
SHEET12,18, DIGITAL INPUT BLOCK
SCL3A
SDA3A
RST_EAD
SHEET7,8,9,16,17,19
DIGITAL INPUT BLOCK
SHEET12

NOTE.

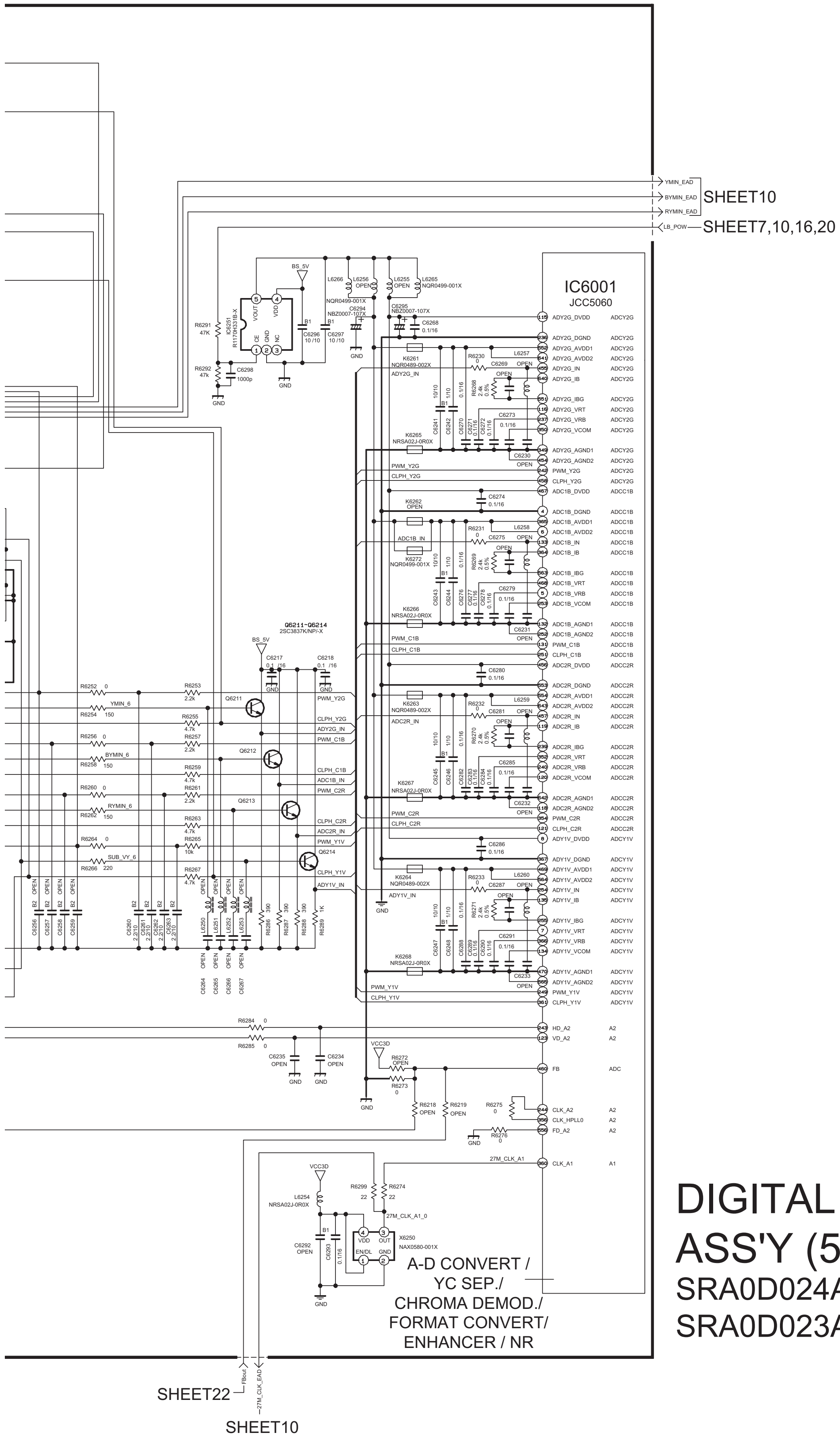
*1:2SC3928A/QR/-X
*2:2SA1530A/QR/-X
*3:MA111-X
*4:UN2213-X
*5:MA8056/M-X
*K1:NQR0499-001X

c10446015_0214_17/17_0.0

# DIGITAL PWB CIRCUIT DIAGRAM (5/16) [INPUT I/F BLOCK (ANALOG)] SHEET 11

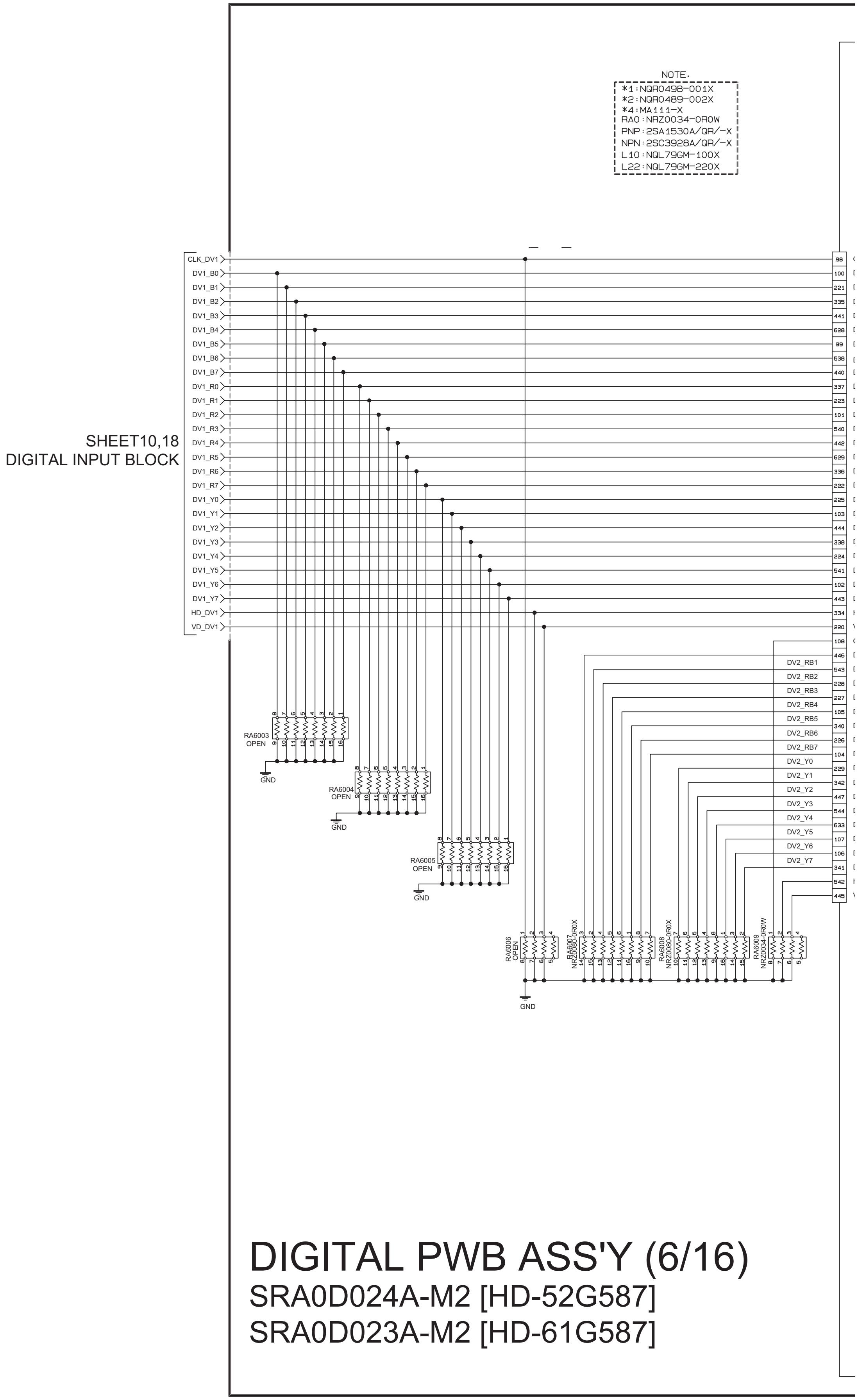

SHEET16
EXT3DON
SHEET21
MAIN_CCD
SUB_CCD1
SHEET18
BS_LOUT
BS_ROUT
BS_YOUT
BS_COUT
ML
MR
ANALOG PWB
ASS'Y (1/6)
CN012
(SHEET1)
CN012
QGF0508F4-40X
ILA
LCD
CN002
OPEN
OPEN
Q6301
Q6302
Q6303
Q6304
IC6301
IC6302
IC6250
UPC5702GS-027-X
K6250
NRSA02J-0R0X
BS_5V
Q6201
2SA812A/5-6/-X
Q6202
2SA812A/5-6/-X
Q6203
2SA1022/BC/-X
Q6204
2SA1022/BC/-X
Q6205
2SA1022/BC/-X
Q6206
2SA1022/BC/-X
Q6250
2SC1623A/5-6/-X
Q6251
2SC1623A/5-6/-X
D6301
D6302
YMIN_4
BYMIN_4
RYMIN_4
SUB_VY_4
YMIN_5
BYMIN_5
RYMIN_5
SUB_VY_5
R8781
100k
R6211
R6212
R6297
R6298
DIN_DL_1
DIN_DR_1
GND
DIGITAL
INPUT
BLOCK
DIN_DR
DIN_DL
SHEET22
FBin
SHEET10
HD_A2_EAD
VD_A2_EAD
SHEET16
ClampSW

NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X


SHEET10
SHEET7,10,16,20
YMIN_EAD
BYMIN_EAD
RYMIN_EAD
LB_POW
IC6001
JCC5060
IC6251
R1170H331B-X
BS_5V
L6266
L6256 OPEN
L6255 OPEN
L6265 NQR0499-001X
C6294 NBZ0007-107X
C6295 NBZ0007-107X
C6268 0.1/16
K6261 NQR0489-002X
K6262 OPEN
K6263 NQR0489-002X
K6264 NQR0489-002X
K6265 NRSA02J-0R0X
K6266 NRSA02J-0R0X
K6267 NRSA02J-0R0X
K6268 NRSA02J-0R0X
K6272 NQR0499-001X
Q6211-Q6214
2SC3837K/NP/-X
Q6211
Q6212
Q6213
Q6214
YMIN_6
BYMIN_6
RYMIN_6
SUB_VY_6
PWM_Y2G
CLPH_Y2G
ADY2G_IN
PWM_C1B
CLPH_C1B
ADC1B_IN
PWM_C2R
CLPH_C2R
ADC2R_IN
PWM_Y1V
CLPH_Y1V
ADY1V_IN
ADY2G_DVDD
ADY2G_DGND
ADY2G_AVDD1
ADY2G_AVDD2
ADY2G_IN
ADY2G_IB
ADY2G_IBG
ADY2G_VRT
ADY2G_VRB
ADY2G_VCOM
ADY2G_AGND1
ADY2G_AGND2
ADC1B_DVDD
ADC1B_DGND
ADC1B_AVDD1
ADC1B_AVDD2
ADC1B_IN
ADC1B_IB
ADC1B_IBG
ADC1B_VRT
ADC1B_VRB
ADC1B_VCOM
ADC1B_AGND1
ADC1B_AGND2
ADC2R_DVDD
ADC2R_DGND
ADC2R_AVDD1
ADC2R_AVDD2
ADC2R_IN
ADC2R_IB
ADC2R_IBG
ADC2R_VRT
ADC2R_VRB
ADC2R_VCOM
ADC2R_AGND1
ADC2R_AGND2
ADY1V_DVDD
ADY1V_DGND
ADY1V_AVDD1
ADY1V_AVDD2
ADY1V_IN
ADY1V_IB
ADY1V_IBG
ADY1V_VRT
ADY1V_VRB
ADY1V_VCOM
ADY1V_AGND1
ADY1V_AGND2
HD_A2
VD_A2
FB
CLK_A2
CLK_HPLL0
FD_A2
CLK_A1
27M_CLK_A1
27M_CLK_A1_0
VCC3D
L6254 NRSA02J-0R0X
X6250 NAX0580-001X
GND
A-D CONVERT /
YC SEP./
CHROMA DEMOD./
FORMAT CONVERT/
ENHANCER / NR
FBout
27M_CLK_EAD
SHEET22
SHEET10

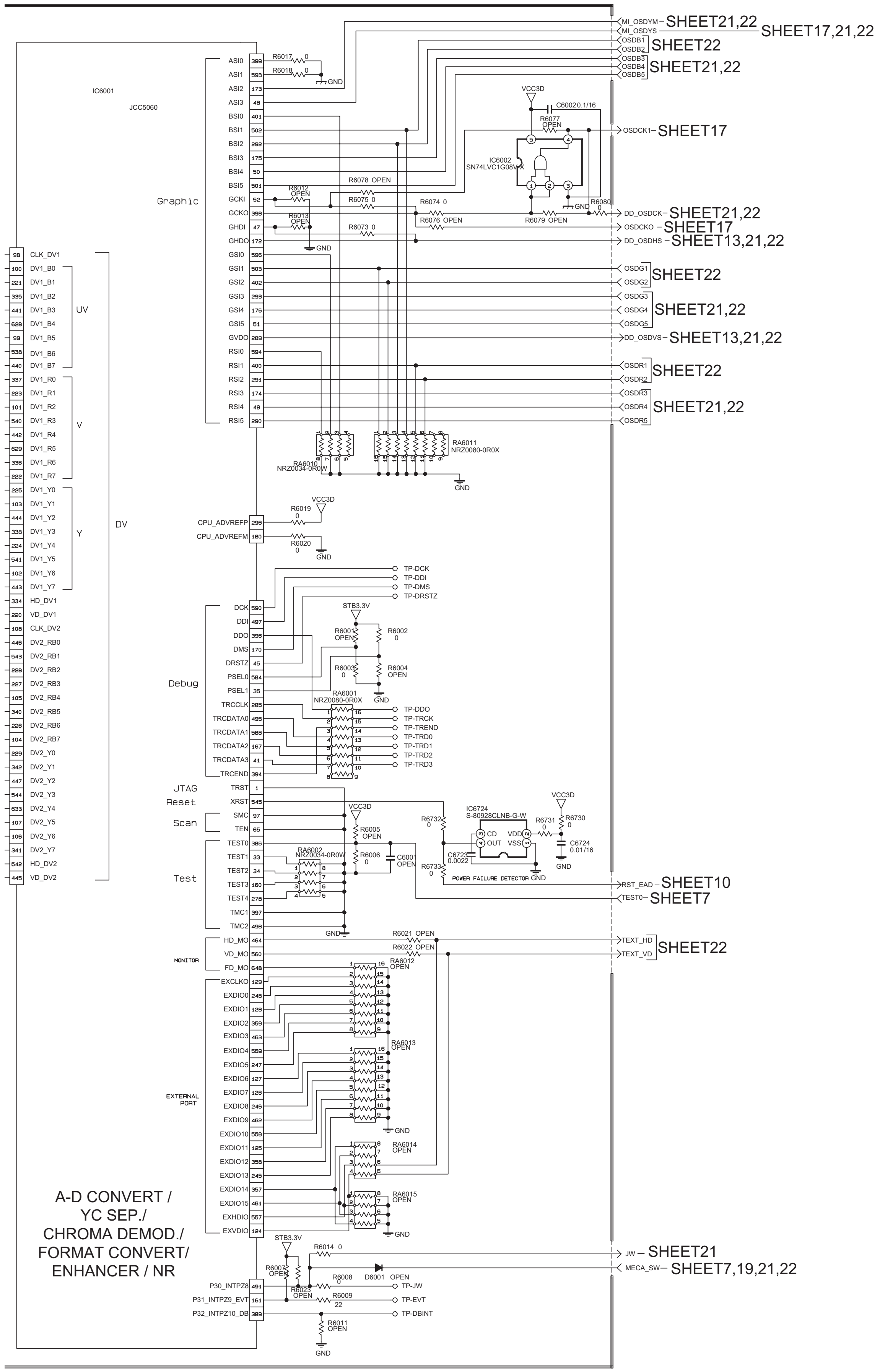
# DIGITAL PWB
# ASS'Y (5/16)

## SRA0D024A-M2 [HD-52G587]
## SRA0D023A-M2 [HD-61G587]

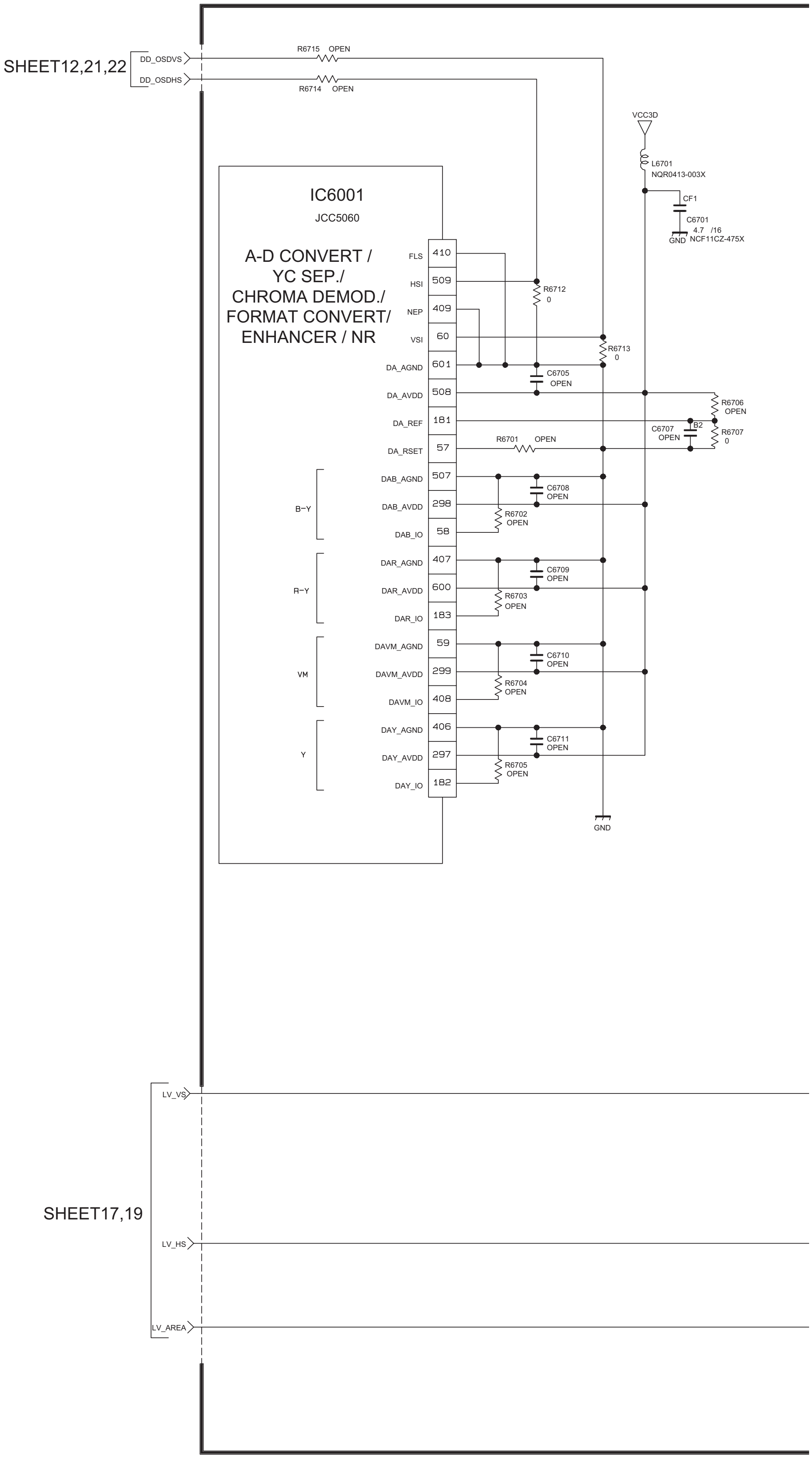

NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X
SHEET10,18
DIGITAL INPUT BLOCK
CLK_DV1
DV1_B0
DV1_B1
DV1_B2
DV1_B3
DV1_B4
DV1_B5
DV1_B6
DV1_B7
DV1_R0
DV1_R1
DV1_R2
DV1_R3
DV1_R4
DV1_R5
DV1_R6
DV1_R7
DV1_Y0
DV1_Y1
DV1_Y2
DV1_Y3
DV1_Y4
DV1_Y5
DV1_Y6
DV1_Y7
HD_DV1
VD_DV1
98
100
221
335
441
628
99
538
440
337
223
101
540
442
629
336
222
225
103
444
338
224
541
102
443
334
220
108
446
543
228
227
105
340
226
104
229
342
447
544
633
107
106
341
542
445
DV2_RB1
DV2_RB2
DV2_RB3
DV2_RB4
DV2_RB5
DV2_RB6
DV2_RB7
DV2_Y0
DV2_Y1
DV2_Y2
DV2_Y3
DV2_Y4
DV2_Y5
DV2_Y6
DV2_Y7
RA6003
OPEN
RA6004
OPEN
RA6005
OPEN
RA6006
OPEN
RA6007
NRZ0080-0R0X
RA6008
NRZ0080-0R0X
RA6009
NRZ0034-0R0W
GND

# DIGITAL PWB ASS'Y (6/16)

SRA0D024A-M2 [HD-52G587]
SRA0D023A-M2 [HD-61G587]


IC6001
JCC5060
Graphic
Debug
JTAG
Reset
Scan
Test
MONITOR
EXTERNAL PORT
DV
UV
V
Y
A-D CONVERT /
YC SEP./
CHROMA DEMOD./
FORMAT CONVERT/
ENHANCER / NR
MI_OSDYM SHEET21,22
MI_OSDYS SHEET17,21,22
OSDB1 OSDB2 SHEET22
OSDB3 OSDB4 OSDB5 SHEET21,22
OSDCK1 SHEET17
DD_OSDCK SHEET21,22
OSDCKO SHEET17
DD_OSDHS SHEET13,21,22
OSDG1 OSDG2 SHEET22
OSDG3 OSDG4 OSDG5 SHEET21,22
DD_OSDVS SHEET13,21,22
OSDR1 OSDR2 SHEET22
OSDR3 OSDR4 OSDR5 SHEET21,22
RST_EAD SHEET10
TEST0 SHEET7
TEXT_HD TEXT_VD SHEET22
JW SHEET21
MECA_SW SHEET7,19,21,22
IC6002 SN74LVC1G08V-X
IC6724 S-80928CLNB-G-W
POWER FAILURE DETECTOR
RA6010 NRZ0034-0R0W
RA6011 NRZ0080-0R0X
RA6001 NRZ0080-0R0X
RA6002 NRZ0034-0R0W
RA6012 OPEN
RA6013 OPEN
RA6014 OPEN
RA6015 OPEN
VCC3D
STB3.3V
GND
TP-DCK
TP-DDI
TP-DMS
TP-DRSTZ
TP-DDO
TP-TRCK
TP-TREND
TP-TRD0
TP-TRD1
TP-TRD2
TP-TRD3
TP-JW
TP-EVT
TP-DBINT
CPU_ADVREFP
CPU_ADVREFM
P30_INTPZ8
P31_INTPZ9_EVT
P32_INTPZ10_DB

## *DIGITAL PWB CIRCUIT DIAGRAM (7/16) [ANALOG RGB OUT BLOCK] SHEET 13*

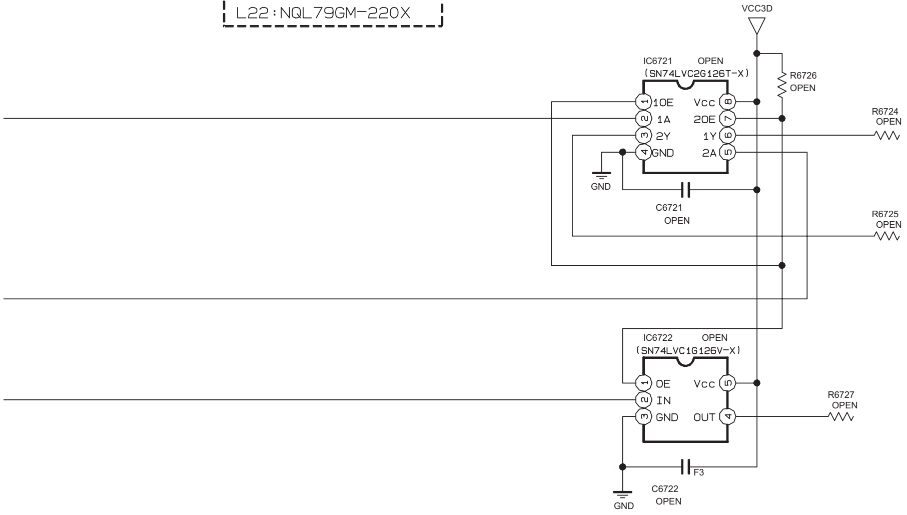

SHEET12,21,22
DD_OSDVS
DD_OSDHS
R6715 OPEN
R6714 OPEN
VCC3D
L6701
NQR0413-003X
CF1
C6701
4.7 /16
NCF11CZ-475X
GND
IC6001
JCC5060
A-D CONVERT /
YC SEP./
CHROMA DEMOD./
FORMAT CONVERT/
ENHANCER / NR
FLS 410
HSI 509
NEP 409
VSI 60
DA_AGND 601
DA_AVDD 508
DA_REF 181
DA_RSET 57
DAB_AGND 507
DAB_AVDD 298
DAB_IO 58
DAR_AGND 407
DAR_AVDD 600
DAR_IO 183
DAVM_AGND 59
DAVM_AVDD 299
DAVM_IO 408
DAY_AGND 406
DAY_AVDD 297
DAY_IO 182
B-Y
R-Y
VM
Y
R6712
0
R6713
0
C6705
OPEN
R6706
OPEN
B2
C6707
OPEN
R6707
0
R6701 OPEN
C6708
OPEN
R6702
OPEN
C6709
OPEN
R6703
OPEN
C6710
OPEN
R6704
OPEN
C6711
OPEN
R6705
OPEN
GND
LV_VS
SHEET17,19
LV_HS
LV_AREA

# DIGITAL PWB ASS'Y (7/16)

## SRA0D024A-M2 [HD-52G587]
## SRA0D023A-M2 [HD-61G587]

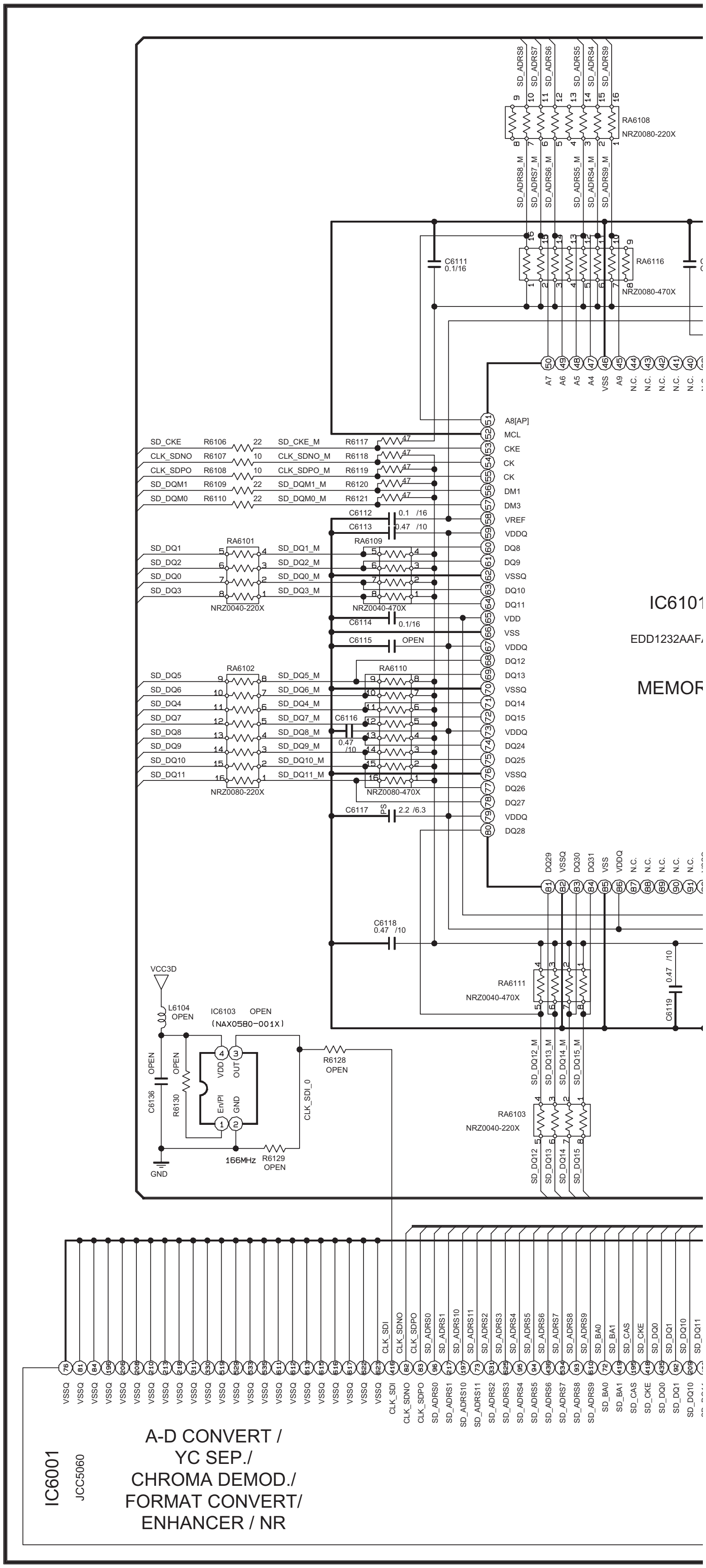
NOTE.

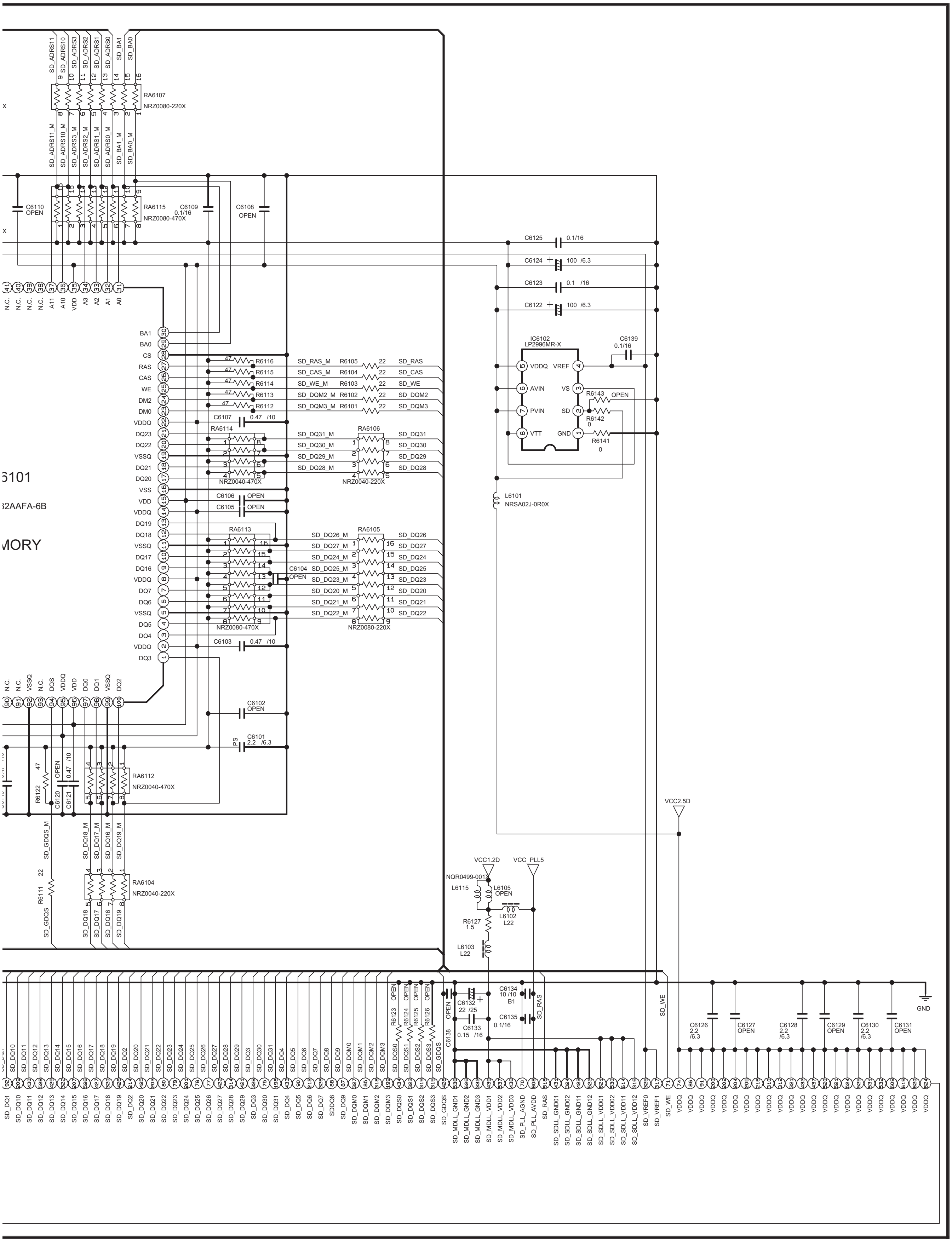
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X


VCC3D
IC6721 OPEN
(SN74LVC2G126T-X)
1 1OE
2 1A
3 2Y
4 GND
8 Vcc
7 2OE
6 1Y
5 2A
R6726 OPEN
R6724 OPEN
R6725 OPEN
GND
C6721 OPEN
IC6722 OPEN
(SN74LVC1G126V-X)
1 OE
2 IN
3 GND
5 Vcc
4 OUT
R6727 OPEN
F3
C6722 OPEN
GND

# DIGITAL
# PWB ASS'Y (8/16)

SRA0D024A-M2 [HD-52G587]
SRA0D023A-M2 [HD-61G587]

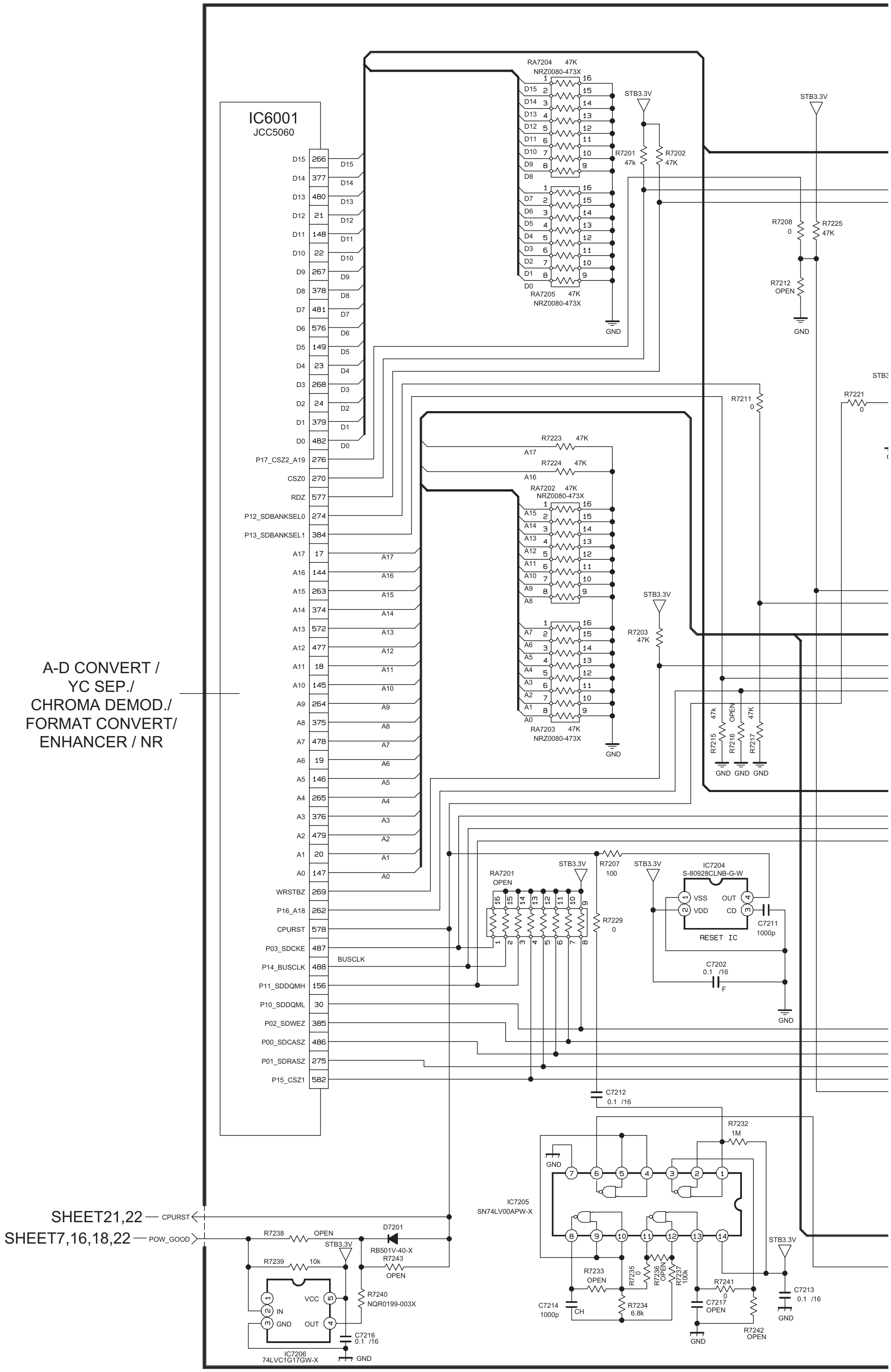

IC6101
EDD1232AAF
MEMOR
RA6108
NRZ0080-220X
RA6116
NRZ0080-470X
C6111
0.1/16
SD_ADRS8
SD_ADRS7
SD_ADRS6
SD_ADRS5
SD_ADRS4
SD_ADRS9
SD_ADRS8_M
SD_ADRS7_M
SD_ADRS6_M
SD_ADRS5_M
SD_ADRS4_M
SD_ADRS9_M
A7
A6
A5
A4
VSS
A9
N.C.
A8[AP]
MCL
CKE
CK
DM1
DM3
VREF
VDDQ
DQ8
DQ9
VSSQ
DQ10
DQ11
VDD
VSS
DQ12
DQ13
DQ14
DQ15
DQ24
DQ25
DQ26
DQ27
DQ28
DQ29
DQ30
DQ31
SD_CKE
CLK_SDNO
CLK_SDPO
SD_DQM1
SD_DQM0
R6106
R6107
R6108
R6109
R6110
R6117
R6118
R6119
R6120
R6121
SD_CKE_M
CLK_SDNO_M
CLK_SDPO_M
SD_DQM1_M
SD_DQM0_M
C6112
0.1 /16
C6113
0.47 /10
RA6101
RA6109
NRZ0040-220X
NRZ0040-470X
C6114
0.1/16
C6115
OPEN
RA6102
RA6110
NRZ0080-220X
NRZ0080-470X
C6116
0.47 /10
C6117
2.2 /6.3
C6118
0.47 /10
C6119
0.47 /10
RA6111
RA6103
SD_DQ0
SD_DQ1
SD_DQ2
SD_DQ3
SD_DQ4
SD_DQ5
SD_DQ6
SD_DQ7
SD_DQ8
SD_DQ9
SD_DQ10
SD_DQ11
SD_DQ12
SD_DQ13
SD_DQ14
SD_DQ15
SD_DQ12_M
SD_DQ13_M
SD_DQ14_M
SD_DQ15_M
VCC3D
L6104
OPEN
IC6103 OPEN
(NAX0580-001X)
VDD
OUT
En/PI
GND
C6136
R6130
R6128
R6129
166MHz
CLK_SDI_0
GND
IC6001
JCC5060
A-D CONVERT /
YC SEP./
CHROMA DEMOD./
FORMAT CONVERT/
ENHANCER / NR
VSSQ
CLK_SDI
CLK_SDNO
CLK_SDPO
SD_ADRS0
SD_ADRS1
SD_ADRS10
SD_ADRS11
SD_ADRS2
SD_ADRS3
SD_BA0
SD_BA1
SD_CAS
SD_CKE
SD_DQ10



RA6107
NRZ0080-220X
RA6115
NRZ0080-470X
C6110
OPEN
C6109
0.1/16
C6108
OPEN
C6125 0.1/16
C6124 100 /6.3
C6123 0.1 /16
C6122 100 /6.3
IC6102
LP2996MR-X
VDDQ
VREF
AVIN
VS
PVIN
SD
VTT
GND
C6139
0.1/16
R6143 OPEN
R6142
0
R6141
0
L6101
NRSA02J-0R0X
6101
32AAFA-6B
MORY
BA1
BA0
CS
RAS
CAS
WE
DM2
DM0
VDDQ
DQ23
DQ22
VSSQ
DQ21
DQ20
VSS
VDD
DQ19
DQ18
DQ17
DQ16
DQ7
DQ6
DQ5
DQ4
DQ3
R6116
R6115
R6114
R6113
R6112
47
SD_RAS_M R6105 22 SD_RAS
SD_CAS_M R6104 22 SD_CAS
SD_WE_M R6103 22 SD_WE
SD_DQM2_M R6102 22 SD_DQM2
SD_DQM3_M R6101 22 SD_DQM3
C6107 0.47 /10
RA6114
NRZ0040-470X
RA6106
NRZ0040-220X
SD_DQ31_M SD_DQ31
SD_DQ30_M SD_DQ30
SD_DQ29_M SD_DQ29
SD_DQ28_M SD_DQ28
C6106 OPEN
C6105 OPEN
RA6113
NRZ0080-470X
RA6105
NRZ0080-220X
C6104
OPEN
SD_DQ26_M SD_DQ26
SD_DQ27_M SD_DQ27
SD_DQ24_M SD_DQ24
SD_DQ25_M SD_DQ25
SD_DQ23_M SD_DQ23
SD_DQ20_M SD_DQ20
SD_DQ21_M SD_DQ21
SD_DQ22_M SD_DQ22
C6103 0.47 /10
C6102
OPEN
C6101
2.2 /6.3
PS
RA6112
NRZ0040-470X
R6122 47
C6120 OPEN
C6121 0.47 /10
SD_GDQS_M
R6111 22
SD_GDQS
RA6104
NRZ0040-220X
VCC2.5D
VCC1.2D
VCC_PLL5
NQR0499-001X
L6115
L6105
OPEN
L6102
L22
R6127
1.5
L6103
L22
C6134
10 /10
B1
C6132
22 /25
C6135
0.1/16
C6133
0.15 /16
C6138
OPEN
R6123 OPEN
R6124 OPEN
R6125 OPEN
R6126 OPEN
SD_RAS
SD_WE
GND
C6126
2.2
/6.3
C6127
OPEN
C6128
2.2
/6.3
C6129
OPEN
C6130
2.2
/6.3
C6131
OPEN
SD_VREF0
SD_VREF1
SD_PLL_AGND
SD_PLL_AVDD
SD_MDLL_GND1
SD_MDLL_GND2
SD_MDLL_GND3
SD_MDLL_VDD1
SD_MDLL_VDD2
SD_MDLL_VDD3
SD_SDLL_GND01
SD_SDLL_GND02
SD_SDLL_GND11
SD_SDLL_GND12
SD_SDLL_VDD01
SD_SDLL_VDD02
SD_SDLL_VDD11
SD_SDLL_VDD12
VDDQ

c10446003_0214_3/17_0.0

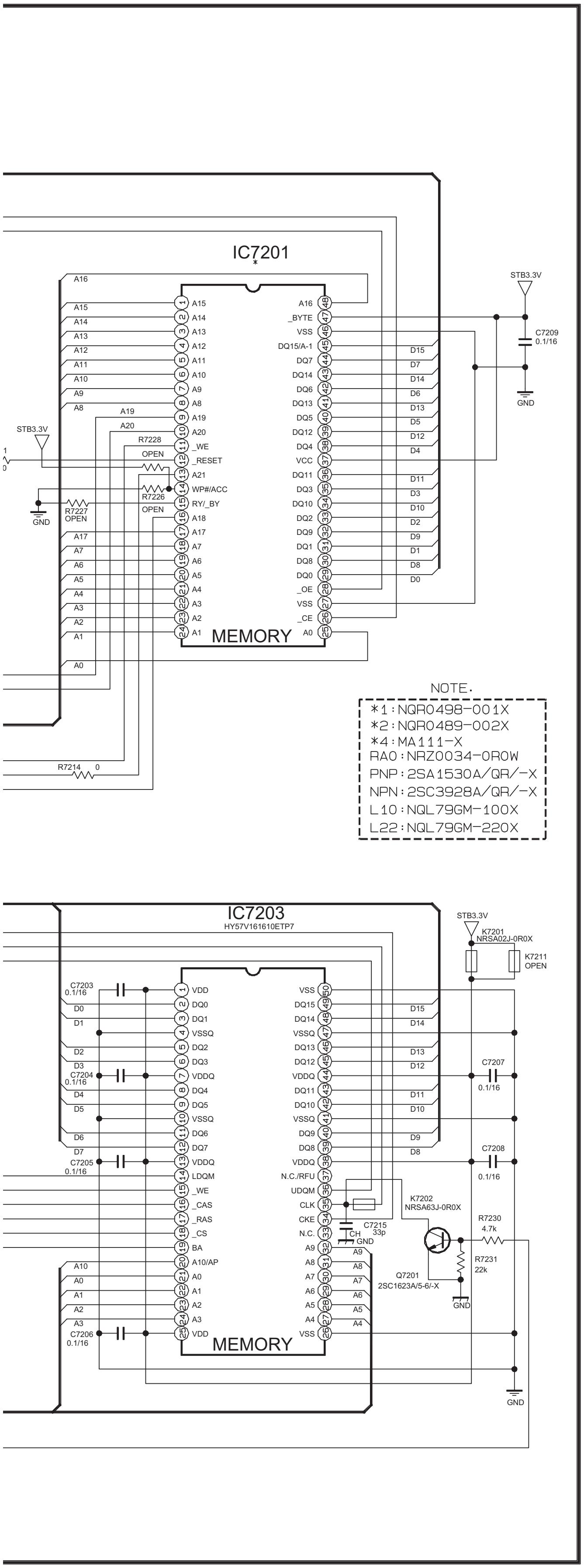
# *DIGITAL PWB CIRCUIT DIAGRAM (9/16) [FLASH MEMORY BLOCK] SHEET 15*



IC6001
JCC5060
D15 266
D14 377
D13 480
D12 21
D11 148
D10 22
D9 267
D8 378
D7 481
D6 576
D5 149
D4 23
D3 268
D2 24
D1 379
D0 482
P17_CSZ2_A19 276
CSZ0 270
RDZ 577
P12_SDBANKSEL0 274
P13_SDBANKSEL1 384
A17 17
A16 144
A15 263
A14 374
A13 572
A12 477
A11 18
A10 145
A9 264
A8 375
A7 478
A6 19
A5 146
A4 265
A3 376
A2 479
A1 20
A0 147
WRSTBZ 269
P16_A18 262
CPURST 578
P03_SDCKE 487
P14_BUSCLK 488
BUSCLK
P11_SDDQMH 156
P10_SDDQML 30
P02_SDWEZ 385
P00_SDCASZ 486
P01_SDRASZ 275
P15_CSZ1 582
A-D CONVERT /
YC SEP./
CHROMA DEMOD./
FORMAT CONVERT/
ENHANCER / NR
RA7204 47K
NRZ0080-473X
RA7205 47K
NRZ0080-473X
STB3.3V
R7201 47k
R7202 47K
GND
R7208 0
R7225 47K
R7212 OPEN
R7211 0
R7221 0
R7223 47K
R7224 47K
RA7202 47K
NRZ0080-473X
RA7203 47K
NRZ0080-473X
R7203 47K
R7215 47k
R7216 OPEN
R7217 47K
RA7201
OPEN
R7207 100
R7229 0
IC7204
S-80928CLNB-G-W
VSS
OUT
VDD
CD
RESET IC
C7211 1000p
C7202 0.1 /16
F
C7212 0.1 /16
R7232 1M
IC7205
SN74LV00APW-X
R7233 OPEN
R7235 0
R7236 OPEN
R7237 100k
R7234 6.8k
C7214 1000p
CH
R7241 0
C7217 OPEN
R7242 OPEN
C7213 0.1 /16
SHEET21,22
CPURST
SHEET7,16,18,22
POW_GOOD
R7238 OPEN
D7201
RB501V-40-X
R7243 OPEN
R7239 10k
R7240
NQR0199-003X
IN
GND
VCC
OUT
C7216 0.1 /16
IC7206
74LVC1G17GW-X

# DIGITAL PWB ASS'Y (9/16)

## SRA0D024A-M2 [HD-52G587]
## SRA0D023A-M2 [HD-61G587]


IC7201
*
MEMORY
A15 A14 A13 A12 A11 A10 A9 A8 A19 A20 _WE _RESET A21 WP#/ACC RY/_BY A18 A17 A7 A6 A5 A4 A3 A2 A1
A16 _BYTE VSS DQ15/A-1 DQ7 DQ14 DQ6 DQ13 DQ5 DQ12 DQ4 VCC DQ11 DQ3 DQ10 DQ2 DQ9 DQ1 DQ8 DQ0 _OE VSS _CE A0
D15 D7 D14 D6 D13 D5 D12 D4 D11 D3 D10 D2 D9 D1 D8 D0
STB3.3V
C7209
0.1/16
GND
R7228
OPEN
R7226
OPEN
R7227
OPEN
R7214
0
IC7203
HY57V161610ETP7
MEMORY
VDD DQ0 DQ1 VSSQ DQ2 DQ3 VDDQ DQ4 DQ5 VSSQ DQ6 DQ7 VDDQ LDQM _WE _CAS _RAS _CS BA A10/AP A0 A1 A2 A3 VDD
VSS DQ15 DQ14 VSSQ DQ13 DQ12 VDDQ DQ11 DQ10 VSSQ DQ9 DQ8 VDDQ N.C./RFU UDQM CLK CKE N.C. A9 A8 A7 A6 A5 A4 VSS
C7203
0.1/16
C7204
0.1/16
C7205
0.1/16
C7206
0.1/16
C7207
0.1/16
C7208
0.1/16
K7201
NRSA02J-0R0X
K7211
OPEN
K7202
NRSA63J-0R0X
C7215
33p
CH
R7230
4.7k
R7231
22k
Q7201
2SC1623A/5-6/-X

NOTE.

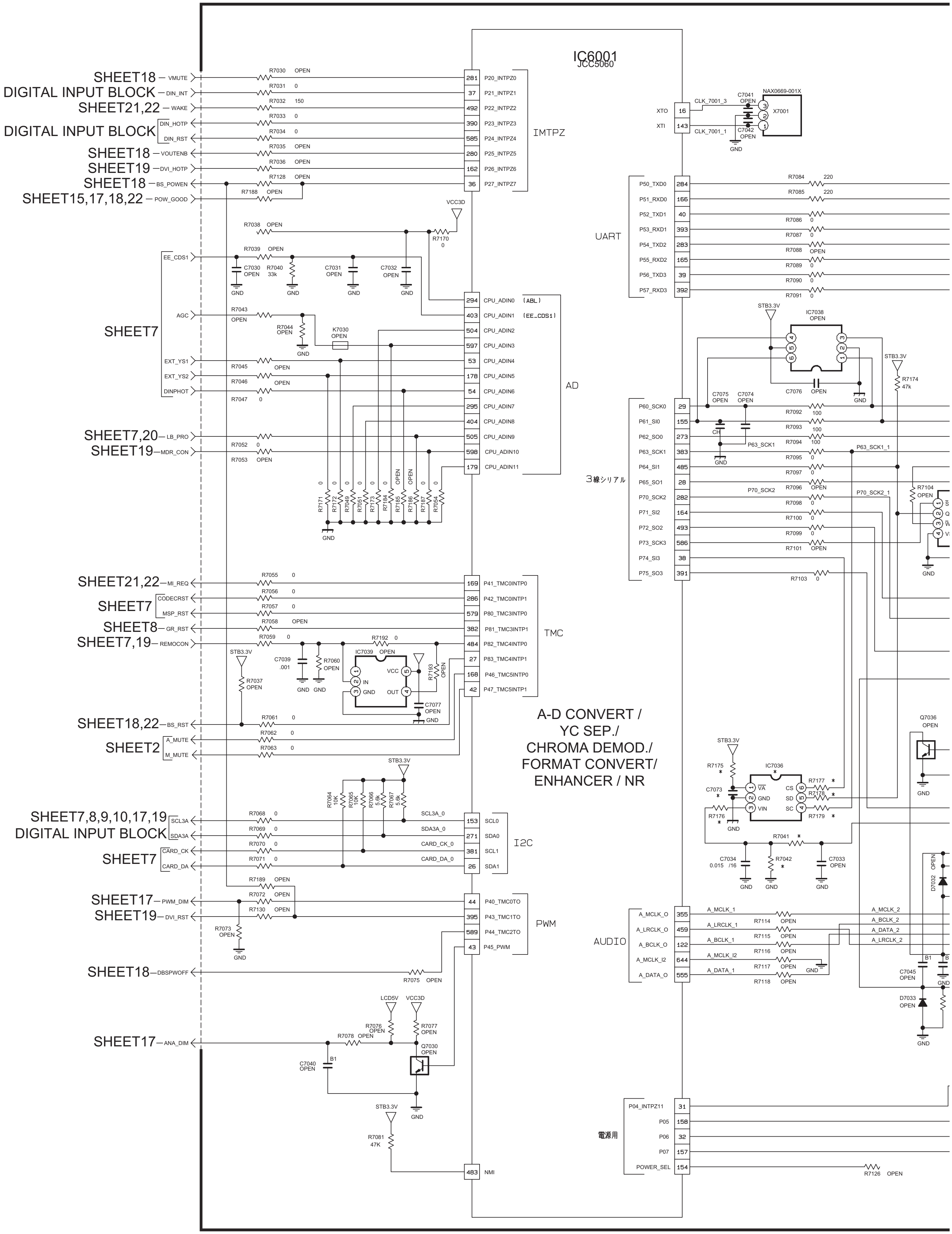
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

* DIFFERENCE LIST

| ASSY NO. | SRA -0D011A | SRA -0D012A | SRA -0D013A | SRA -0D014A | SRA -0D015A | SRA -0D016A | SRA -0D017A | SRA -0D018A | SRA -0D019A | SRA -0D020A | SRA -0D021A | SRA -0D022A | SRA -0D023A | SRA -0D024A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | OLLC09895 | OLLC09895 -02 | OLLC09895 -03 | OLLC09895 -04 | OLLC09895 -05 | OLLC09895 -06 | OLLC10086 | OLLC10086 -02 | OLLC10086 -03 | OLLC10086 -04 | OLLC10086 -05 | OLLC10086 -06 | OLLC10086 -07 | OLLC10086 -08 |
| IC7201 | 39VF800A 7IEKD52 | 39VF800A 7IEKD53 | 39VF800A 7IEKD54 | 39VF800A 7IEKD52 | 39VF800A 7IEKD53 | 39VF800A 7IEKD54 | 39VF800A 7IEKD66 | 39VF800A 7IEKD67 | 39VF800A 7IEKD68 | 39VF800A 7IEKD66 | 39VF800A 7IEKD67 | 39VF800A 7IEKD68 | 39VF800A 7IEKDB3 | 39VF800A 7IEKDB2 |

c10446008_0214_8/17_0.0

# DIGITAL PWB CIRCUIT DIAGRAM (10/16) [DIST INTERFACE BLOCK] SHEET 16



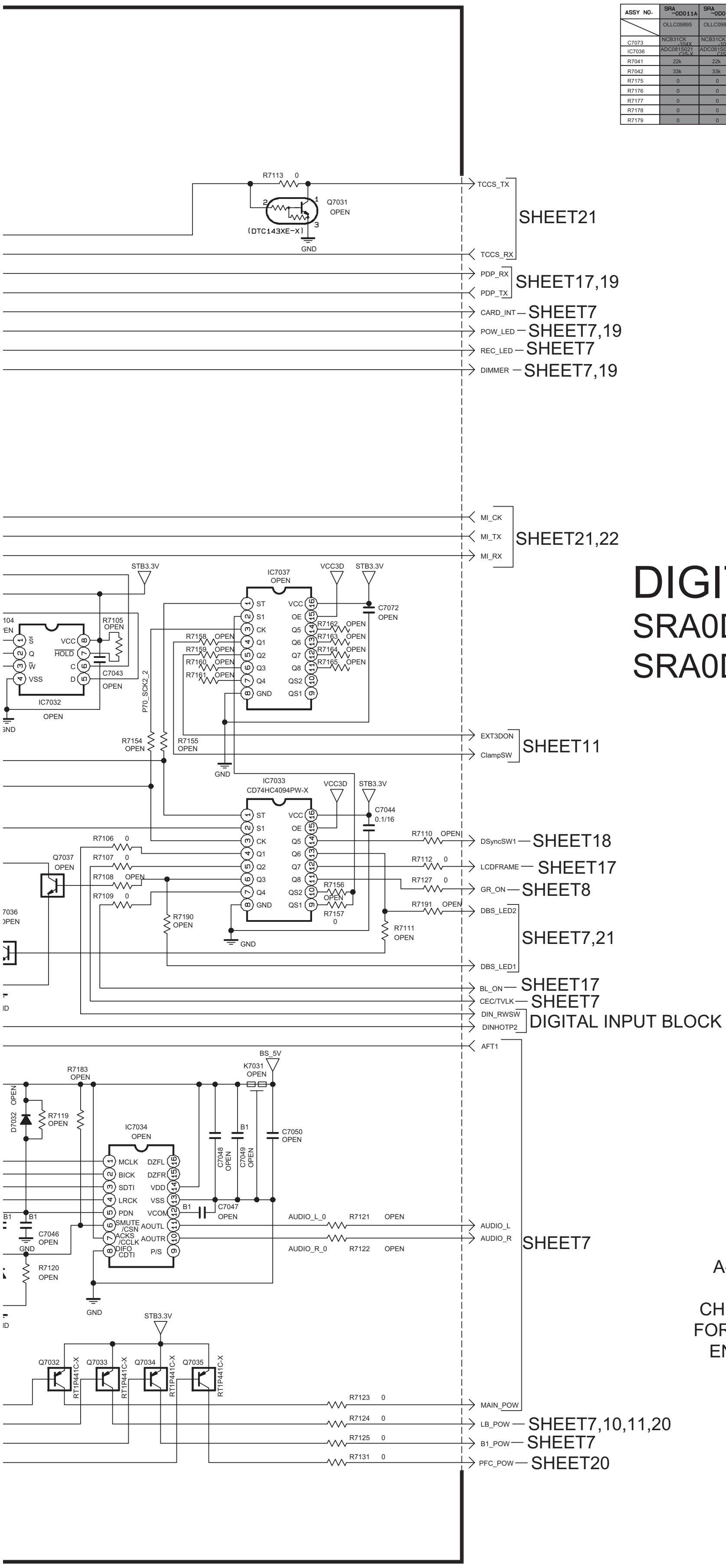
IC6001
JCC5060
SHEET18 VMUTE
DIGITAL INPUT BLOCK DIN_INT
SHEET21,22 WAKE
DIGITAL INPUT BLOCK DIN_HOTP DIN_RST
SHEET18 VOUTENB
SHEET19 DVI_HOTP
SHEET18 BS_POWEN
SHEET15,17,18,22 POW_GOOD
R7030 OPEN
R7031 0
R7032 150
R7033 0
R7034 0
R7035 OPEN
R7036 OPEN
R7128 OPEN
R7188 OPEN
281 P20_INTPZ0
37 P21_INTPZ1
492 P22_INTPZ2
390 P23_INTPZ3
585 P24_INTPZ4
280 P25_INTPZ5
162 P26_INTPZ6
36 P27_INTPZ7
IMTPZ
XTO 16
XTI 143
CLK_7001_3
CLK_7001_1
C7041 OPEN
C7042 OPEN
NAX0669-001X
X7001
GND
VCC3D
R7038 OPEN
R7170 0
R7039 OPEN
EE_CDS1
C7030 OPEN
R7040 33k
C7031 OPEN
C7032 OPEN
SHEET7
AGC
R7043 OPEN
R7044 OPEN
K7030 OPEN
EXT_YS1
EXT_YS2
DINPHOT
R7045 OPEN
R7046 OPEN
R7047 0
294 CPU_ADIN0 (ABL)
403 CPU_ADIN1 (EE_CDS1)
504 CPU_ADIN2
597 CPU_ADIN3
53 CPU_ADIN4
178 CPU_ADIN5
54 CPU_ADIN6
295 CPU_ADIN7
404 CPU_ADIN8
505 CPU_ADIN9
598 CPU_ADIN10
179 CPU_ADIN11
AD
SHEET7,20 LB_PRO
SHEET19 MDR_CON
R7052 0
R7053 OPEN
R7171 0
R7172 0
R7049 0
R7051 0
R7173 0
R7184 0
R7185 OPEN
R7186 OPEN
R7187 0
R7054 0
UART
284 P50_TXD0
166 P51_RXD0
40 P52_TXD1
393 P53_RXD1
283 P54_TXD2
165 P55_RXD2
39 P56_TXD3
392 P57_RXD3
R7084 220
R7085 220
R7086 0
R7087 0
R7088 OPEN
R7089 0
R7090 0
R7091 0
STB3.3V
IC7038 OPEN
C7075 OPEN
C7074 OPEN
C7076 OPEN
R7174 47k
3線シリアル
29 P60_SCK0
155 P61_SI0
273 P62_SO0
383 P63_SCK1
485 P64_SI1
28 P65_SO1
282 P70_SCK2
164 P71_SI2
493 P72_SO2
586 P73_SCK3
38 P74_SI3
391 P75_SO3
R7092 100
R7093 100
R7094 100
R7095 0
R7097 0
R7096 OPEN
R7098 0
R7100 0
R7099 0
R7101 OPEN
R7103 0
CH
P63_SCK1
P63_SCK1_1
P70_SCK2
P70_SCK2_1
R7104 OPEN
SHEET21,22 MI_REQ
SHEET7 CODECRST MSP_RST
SHEET8 GR_RST
SHEET7,19 REMOCON
R7055 0
R7056 0
R7057 0
R7058 OPEN
R7059 0
R7192 0
169 P41_TMC0INTP0
286 P42_TMC0INTP1
579 P80_TMC3INTP0
382 P81_TMC3INTP1
484 P82_TMC4INTP0
27 P83_TMC4INTP1
168 P46_TMC5INTP0
42 P47_TMC5INTP1
TMC
C7039 .001
R7060 OPEN
IC7039 OPEN
IN GND VCC OUT
R7193 OPEN
C7077 OPEN
R7037 OPEN
SHEET18,22 BS_RST
SHEET2 A_MUTE M_MUTE
R7061 0
R7062 0
R7063 0
A-D CONVERT / YC SEP./ CHROMA DEMOD./ FORMAT CONVERT/ ENHANCER / NR
Q7036 OPEN
R7175 *
IC7036 *
C7073 *
R7176 *
R7177 *
R7178 *
R7179 *
VA GND VIN CS SD SC
R7041 *
C7034 0.015 /16
R7042 *
C7033 OPEN
SHEET7,8,9,10,17,19 DIGITAL INPUT BLOCK SCL3A SDA3A
SHEET7 CARD_CK CARD_DA
R7064 10K
R7065 10K
R7066 5.6k
R7067 5.6k
R7068 0
R7069 0
R7070 0
R7071 0
SCL3A_0
SDA3A_0
CARD_CK_0
CARD_DA_0
153 SCL0
271 SDA0
381 SCL1
26 SDA1
I2C
SHEET17 PWM_DIM
SHEET19 DVI_RST
R7189 OPEN
R7072 OPEN
R7130 OPEN
R7073 OPEN
44 P40_TMC0TO
395 P43_TMC1TO
589 P44_TMC2TO
43 P45_PWM
PWM
SHEET18 DBSPWOFF
R7075 OPEN
AUDIO
355 A_MCLK_O
459 A_LRCLK_O
122 A_BCLK_O
644 A_MCLK_I2
555 A_DATA_O
A_MCLK_1
A_LRCLK_1
A_BCLK_1
A_MCLK_I2
A_DATA_1
R7114 OPEN
R7115 OPEN
R7116 OPEN
R7117 OPEN
R7118 OPEN
A_MCLK_2
A_BCLK_2
A_DATA_2
A_LRCLK_2
D7032 OPEN
C7045 OPEN
D7033 OPEN
B1
LCD5V
R7076 OPEN
R7077 OPEN
R7078 OPEN
Q7030 OPEN
SHEET17 ANA_DIM
C7040 OPEN
R7081 47K
483 NMI
電源用
31 P04_INTPZ11
158 P05
32 P06
157 P07
154 POWER_SEL
R7126 OPEN

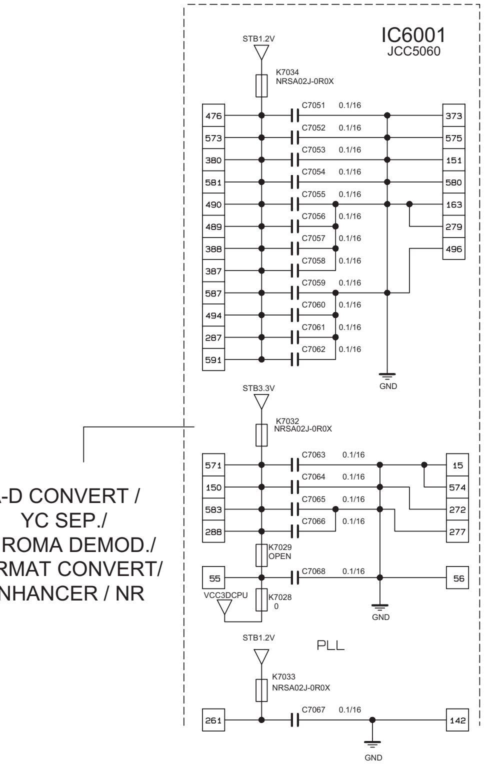
* DIFFERENCE LIST

| ASSY NO. | SRA -0D011A | SRA -0D012A | SRA -0D013A | SRA -0D014A | SRA -0D015A | SRA -0D016A | SRA -0D017A | SRA -0D018A | SRA -0D019A | SRA -0D020A | SRA -0D021A | SRA -0D022A | SRA -0D023A | SRA -0D024A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | OLLC09895 | OLLC09895 -02 | OLLC09895 -03 | OLLC09895 -04 | OLLC09895 -05 | OLLC09895 -06 | OLLC10086 | OLLC10086 -02 | OLLC10086 -03 | OLLC10086 -04 | OLLC10086 -05 | OLLC10086 -06 | OLLC10086 -07 | OLLC10086 -08 |
| C7073 | NCB31CK -104X | NCB31CK -104X | NCB31CK -104X | NCB31CK -104X | NCB31CK -104X | NCB31CK -104X | NCB31CK -104X | NCB31CK -104X | NCB31CK -104X | NCB31CK -104X | NCB31CK -104X | NCB31CK -104X | OPEN | OPEN |
| IC7036 | ADC081S021 CIS-X | ADC081S021 CIS-X | ADC081S021 CIS-X | ADC081S021 CIS-X | ADC081S021 CIS-X | ADC081S021 CIS-X | ADC081S021 CIS-X | ADC081S021 CIS-X | ADC081S021 CIS-X | ADC081S021 CIS-X | ADC081S021 CIS-X | ADC081S021 CIS-X | OPEN | OPEN |
| R7041 | 22k | 22k | 22k | 22k | 22k | 22k | 22k | 22k | 22k | 22k | 22k | 22k | OPEN | OPEN |
| R7042 | 33k | 33k | 33k | 33k | 33k | 33k | 33k | 33k | 33k | 33k | 33k | 33k | OPEN | OPEN |
| R7175 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | OPEN | OPEN |
| R7176 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | OPEN | OPEN |
| R7177 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | OPEN | OPEN |
| R7178 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | OPEN | OPEN |
| R7179 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | OPEN | OPEN |

# DIGITAL PWB ASS'Y (10/16)

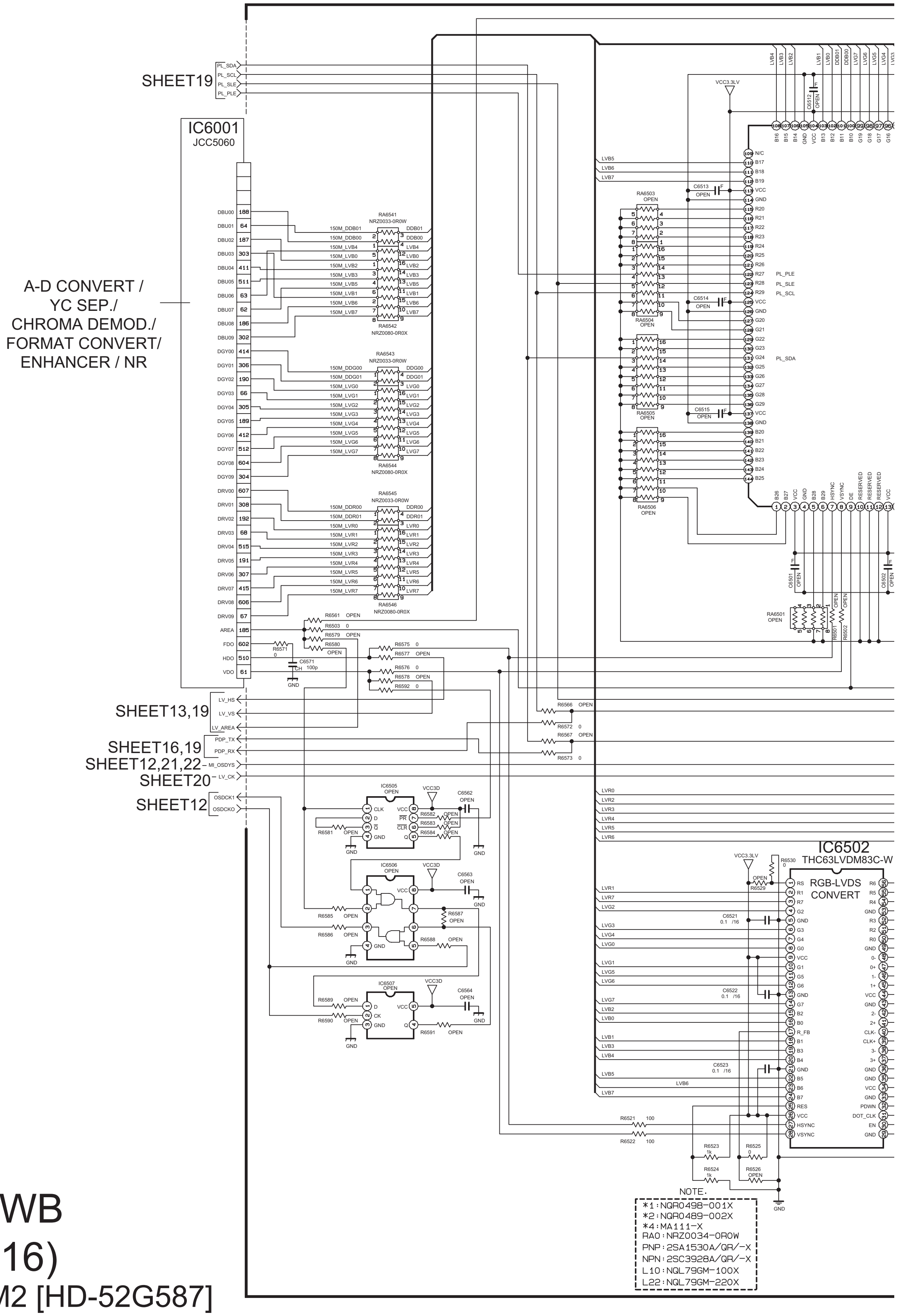
## SRA0D024A-M2 [HD-52G587]
## SRA0D023A-M2 [HD-61G587]


R7113 0
Q7031
OPEN
[DTC143XE-X]
GND
TCCS_TX
TCCS_RX
SHEET21
PDP_RX
PDP_TX
SHEET17,19
CARD_INT
SHEET7
POW_LED
SHEET7,19
REC_LED
SHEET7
DIMMER
SHEET7,19
MI_CK
MI_TX
MI_RX
SHEET21,22
STB3.3V
IC7037
OPEN
VCC3D
STB3.3V
C7072
OPEN
ST
S1
CK
Q1
Q2
Q3
Q4
GND
VCC
OE
Q5
Q6
Q7
Q8
QS2
QS1
R7162 OPEN
R7163 OPEN
R7164 OPEN
R7165 OPEN
R7158 OPEN
R7159 OPEN
R7160 OPEN
R7161 OPEN
R7105
OPEN
IC7032
OPEN
VCC
HOLD
C
D
VSS
S
Q
W
C7043
OPEN
P70_SCK2_2
R7154
OPEN
R7155
OPEN
GND
EXT3DON
ClampSW
SHEET11
IC7033
CD74HC4094PW-X
VCC3D
STB3.3V
C7044
0.1/16
R7106 0
R7107 0
R7108 OPEN
R7109 0
Q7037
OPEN
R7190
OPEN
R7156
OPEN
R7157
0
R7110 OPEN
R7112 0
R7127 0
R7191 OPEN
R7111
OPEN
GND
DSyncSW1
SHEET18
LCDFRAME
SHEET17
GR_ON
SHEET8
DBS_LED2
SHEET7,21
DBS_LED1
BL_ON
SHEET17
CEC/TVLK
SHEET7
DIN_RWSW
DINHOTP2
DIGITAL INPUT BLOCK
AFT1
BS_5V
K7031
OPEN
R7183
OPEN
D7032 OPEN
R7119
OPEN
IC7034
OPEN
MCLK
BICK
SDTI
LRCK
PDN
SMUTE /CSN
ACKS /CCLK
DIFO CDTI
DZFL
DZFR
VDD
VSS
VCOM
AOUTL
AOUTR
P/S
C7048
OPEN
C7049
OPEN
B1
C7050
OPEN
C7047
OPEN
C7046
OPEN
GND
R7120
OPEN
AUDIO_L_0
AUDIO_R_0
R7121 OPEN
R7122 OPEN
AUDIO_L
AUDIO_R
SHEET7
STB3.3V
Q7032
Q7033
Q7034
Q7035
RT1P441C-X
R7123 0
R7124 0
R7125 0
R7131 0
MAIN_POW
LB_POW
SHEET7,10,11,20
B1_POW
SHEET7
PFC_POW
SHEET20


IC6001
JCC5060
STB1.2V
K7034
NRSA02J-0R0X
C7051 0.1/16
C7052 0.1/16
C7053 0.1/16
C7054 0.1/16
C7055 0.1/16
C7056 0.1/16
C7057 0.1/16
C7058 0.1/16
C7059 0.1/16
C7060 0.1/16
C7061 0.1/16
C7062 0.1/16
476
573
380
581
490
489
388
387
587
494
287
591
373
575
151
580
163
279
496
GND
STB3.3V
K7032
NRSA02J-0R0X
C7063 0.1/16
C7064 0.1/16
C7065 0.1/16
C7066 0.1/16
571
150
583
288
15
574
272
277
K7029
OPEN
55
C7068 0.1/16
56
VCC3DCPU
K7028
0
GND
STB1.2V
PLL
K7033
NRSA02J-0R0X
261
C7067 0.1/16
142
GND
A-D CONVERT /
YC SEP./
CHROMA DEMOD./
FORMAT CONVERT/
ENHANCER / NR

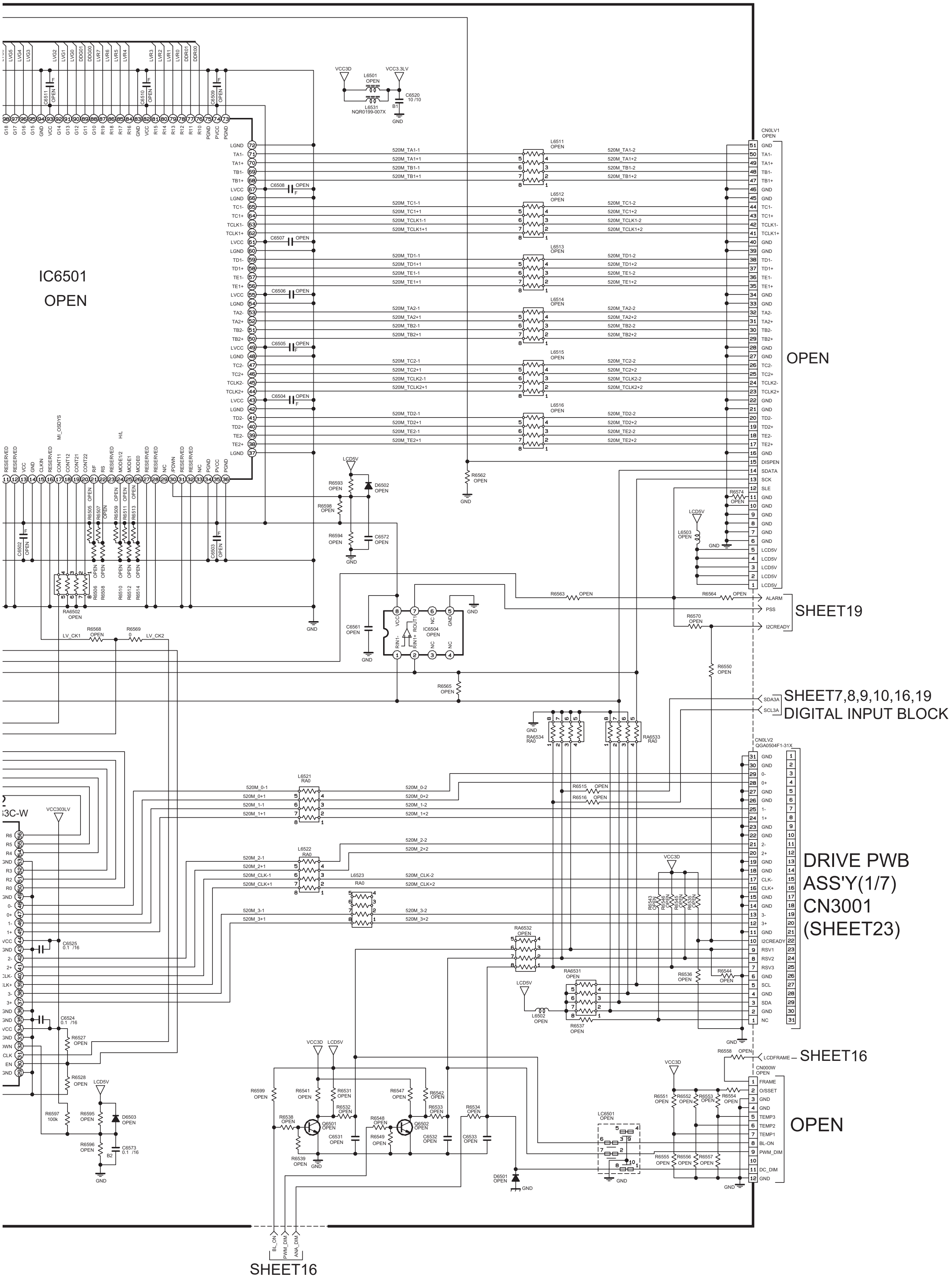
c10446009_0214_9/17_0.0

# *DIGITAL PWB CIRCUIT DIAGRAM (11/16) [LVDS BLOCK] SHEET 17*


SHEET19
PL_SDA
PL_SCL
PL_SLE
PL_PLE
IC6001
JCC5060
A-D CONVERT /
YC SEP./
CHROMA DEMOD./
FORMAT CONVERT/
ENHANCER / NR
RA6541
NRZ0033-0R0W
RA6542
NRZ0080-0R0X
RA6543
NRZ0033-0R0W
RA6544
NRZ0080-0R0X
RA6545
NRZ0033-0R0W
RA6546
NRZ0080-0R0X
SHEET13,19
LV_HS
LV_VS
LV_AREA
SHEET16,19
PDP_TX
PDP_RX
SHEET12,21,22
MI_OSDYS
SHEET20
LV_CK
SHEET12
OSDCK1
OSDCKO
IC6505
IC6506
IC6507
VCC3D
GND
VCC3.3LV
RA6503
RA6504
RA6505
RA6506
RA6501
IC6502
THC63LVDM83C-W
RGB-LVDS
CONVERT
NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

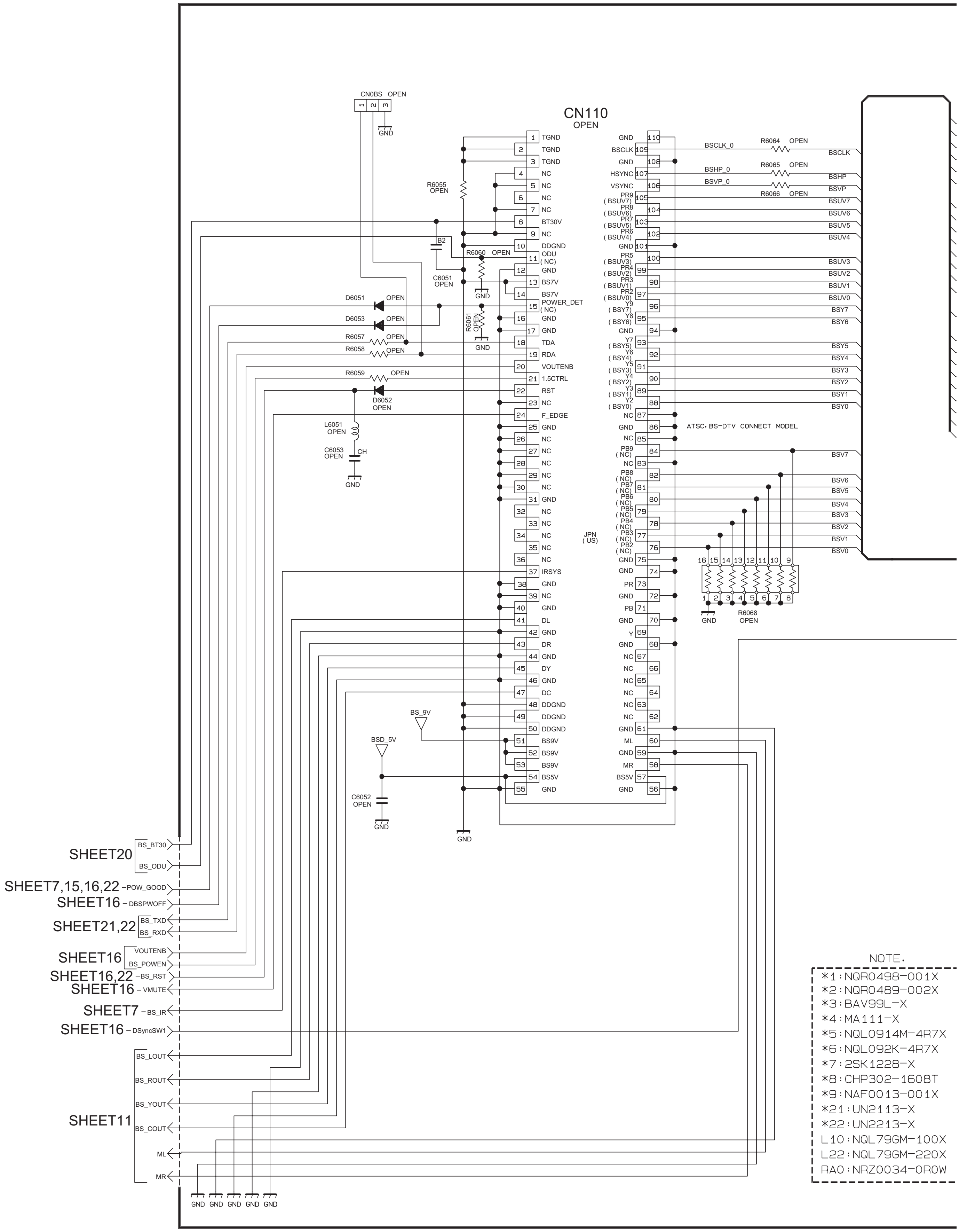
# DIGITAL PWB
# ASS'Y (11/16)

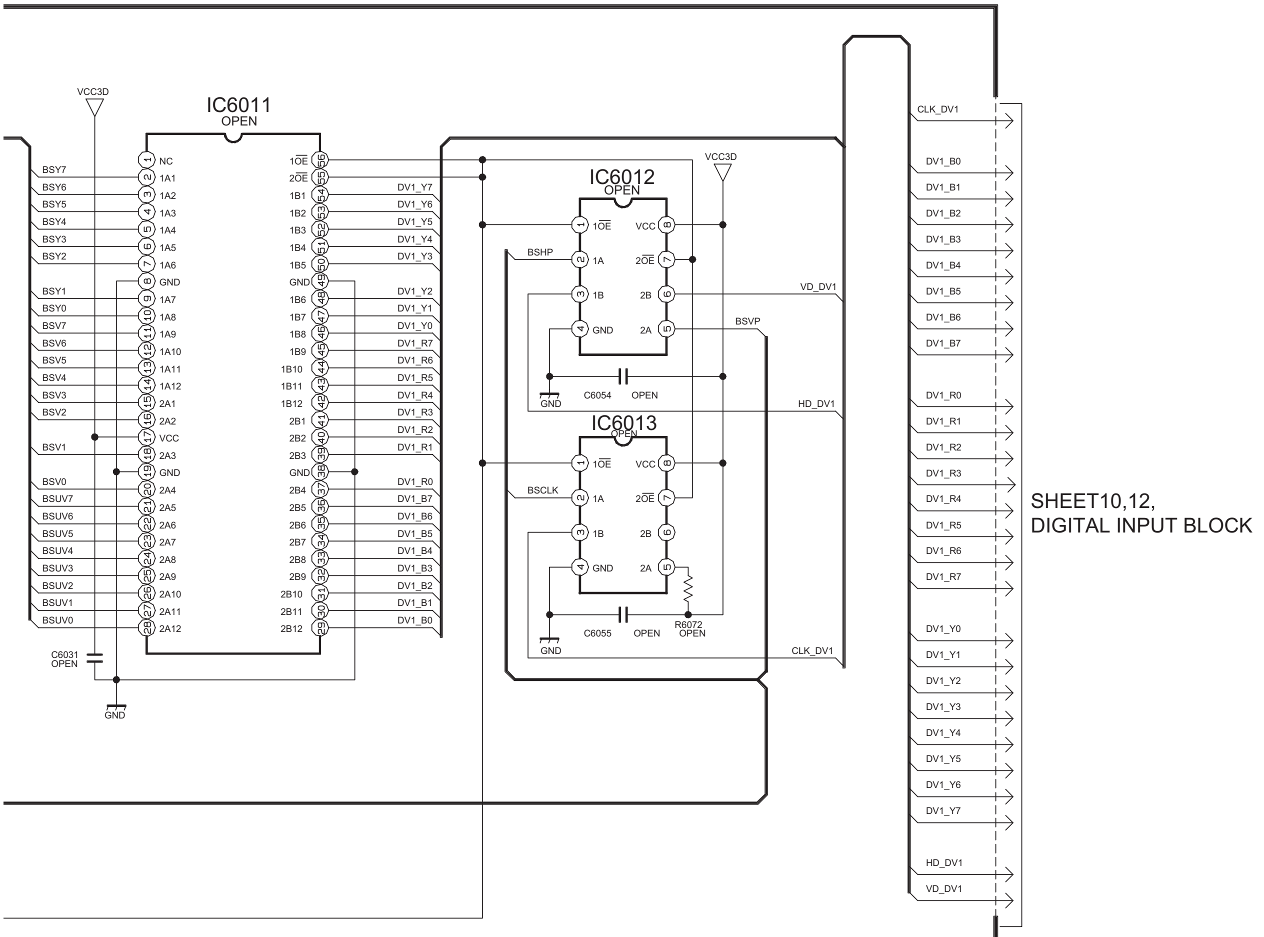
## SRA0D024A-M2 [HD-52G587]
## SRA0D023A-M2 [HD-61G587]


IC6501
OPEN
OPEN
SHEET19
ALARM
PSS
I2CREADY
SHEET7,8,9,10,16,19
DIGITAL INPUT BLOCK
SDA3A
SCL3A
CN0LV1
OPEN
CN0LV2
QGA0504F1-31X
DRIVE PWB
ASS'Y(1/7)
CN3001
(SHEET23)
IC6504
OPEN
L6511
L6512
L6513
L6514
L6515
L6516
L6521
L6522
L6523
RA6502
RA6531
RA6532
RA6533
RA6534
Q6501
Q6502
D6501
D6502
D6503
VCC3D
VCC3.3LV
LCD5V
VCC303LV
LCDFRAME
SHEET16
CN000W
OPEN
FRAME
O/SSET
TEMP3
TEMP2
TEMP1
BL-ON
PWM_DIM
DC_DIM
GND
OPEN
BL_ON
PWM_DIM
ANA_DIM
SHEET16
3C-W

c10446004_0214_4/17_0.0

# DIGITAL PWB CIRCUIT DIAGRAM (12/16) [DTV INTERFACE BLOCK] SHEET 18


CN0BS OPEN
GND
CN110
OPEN
1 TGND
2 TGND
3 TGND
4 NC
5 NC
6 NC
7 NC
8 BT30V
9 NC
10 DDGND
11 ODU (NC)
12 GND
13 BS7V
14 BS7V
15 POWER_DET (NC)
16 GND
17 GND
18 TDA
19 RDA
20 VOUTENB
21 1.5CTRL
22 RST
23 NC
24 F_EDGE
25 GND
26 NC
27 NC
28 NC
29 NC
30 NC
31 GND
32 NC
33 NC
34 NC
35 NC
36 NC
37 IRSYS
38 GND
39 NC
40 GND
41 DL
42 GND
43 DR
44 GND
45 DY
46 GND
47 DC
48 DDGND
49 DDGND
50 DDGND
51 BS9V
52 BS9V
53 BS9V
54 BS5V
55 GND
GND 110
BSCLK 109
GND 108
HSYNC 107
VSYNC 106
PR9 (BSUV7) 105
PR8 (BSUV6) 104
PR7 (BSUV5) 103
PR6 (BSUV4) 102
GND 101
PR5 (BSUV3) 100
PR4 (BSUV2) 99
PR3 (BSUV1) 98
PR2 (BSUV0) 97
Y9 (BSY7) 96
Y8 (BSY6) 95
GND 94
Y7 (BSY5) 93
Y6 (BSY4) 92
Y5 (BSY3) 91
Y4 (BSY2) 90
Y3 (BSY1) 89
Y2 (BSY0) 88
NC 87
GND 86
NC 85
PB9 (NC) 84
NC 83
PB8 (NC) 82
PB7 (NC) 81
PB6 (NC) 80
PB5 (NC) 79
PB4 (NC) 78
PB3 (NC) 77
PB2 (NC) 76
GND 75
GND 74
PR 73
GND 72
PB 71
GND 70
Y 69
GND 68
NC 67
NC 66
NC 65
NC 64
NC 63
NC 62
GND 61
ML 60
GND 59
MR 58
BS5V 57
GND 56
JPN (US)
R6055 OPEN
R6060 OPEN
R6061 OPEN
B2
C6051 OPEN
D6051 OPEN
D6053 OPEN
R6057 OPEN
R6058 OPEN
R6059 OPEN
D6052 OPEN
L6051 OPEN
C6053 OPEN
CH
C6052 OPEN
BS_9V
BSD_5V
GND
BSCLK_0
BSHP_0
BSVP_0
R6064 OPEN
R6065 OPEN
R6066 OPEN
BSCLK
BSHP
BSVP
BSUV7
BSUV6
BSUV5
BSUV4
BSUV3
BSUV2
BSUV1
BSUV0
BSY7
BSY6
BSY5
BSY4
BSY3
BSY2
BSY1
BSY0
ATSC·BS-DTV CONNECT MODEL
BSV7
BSV6
BSV5
BSV4
BSV3
BSV2
BSV1
BSV0
R6068 OPEN
SHEET20
BS_BT30
BS_ODU
SHEET7,15,16,22 POW_GOOD
SHEET16 DBSPWOFF
SHEET21,22
BS_TXD
BS_RXD
SHEET16
VOUTENB
BS_POWEN
SHEET16,22 BS_RST
SHEET16 VMUTE
SHEET7 BS_IR
SHEET16 DSyncSW1
SHEET11
BS_LOUT
BS_ROUT
BS_YOUT
BS_COUT
ML
MR
GND GND GND GND GND
NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*3:BAV99L-X
*4:MA111-X
*5:NQL0914M-4R7X
*6:NQL092K-4R7X
*7:2SK1228-X
*8:CHP302-1608T
*9:NAF0013-001X
*21:UN2113-X
*22:UN2213-X
L10:NQL79GM-100X
L22:NQL79GM-220X
RA0:NRZ0034-0R0W


VCC3D
IC6011
OPEN
NC
1A1
1A2
1A3
1A4
1A5
1A6
GND
1A7
1A8
1A9
1A10
1A11
1A12
2A1
2A2
VCC
2A3
GND
2A4
2A5
2A6
2A7
2A8
2A9
2A10
2A11
2A12
1OE
2OE
1B1
1B2
1B3
1B4
1B5
GND
1B6
1B7
1B8
1B9
1B10
1B11
1B12
2B1
2B2
2B3
GND
2B4
2B5
2B6
2B7
2B8
2B9
2B10
2B11
2B12
BSY7
BSY6
BSY5
BSY4
BSY3
BSY2
BSY1
BSY0
BSV7
BSV6
BSV5
BSV4
BSV3
BSV2
BSV1
BSV0
BSUV7
BSUV6
BSUV5
BSUV4
BSUV3
BSUV2
BSUV1
BSUV0
C6031
OPEN
GND
DV1_Y7
DV1_Y6
DV1_Y5
DV1_Y4
DV1_Y3
DV1_Y2
DV1_Y1
DV1_Y0
DV1_R7
DV1_R6
DV1_R5
DV1_R4
DV1_R3
DV1_R2
DV1_R1
DV1_R0
DV1_B7
DV1_B6
DV1_B5
DV1_B4
DV1_B3
DV1_B2
DV1_B1
DV1_B0
IC6012
OPEN
1OE
1A
1B
GND
VCC
2OE
2B
2A
BSHP
BSVP
C6054
OPEN
VD_DV1
HD_DV1
IC6013
OPEN
BSCLK
C6055
OPEN
R6072
OPEN
CLK_DV1
SHEET10,12,
DIGITAL INPUT BLOCK

X
X

7X
X

T
X

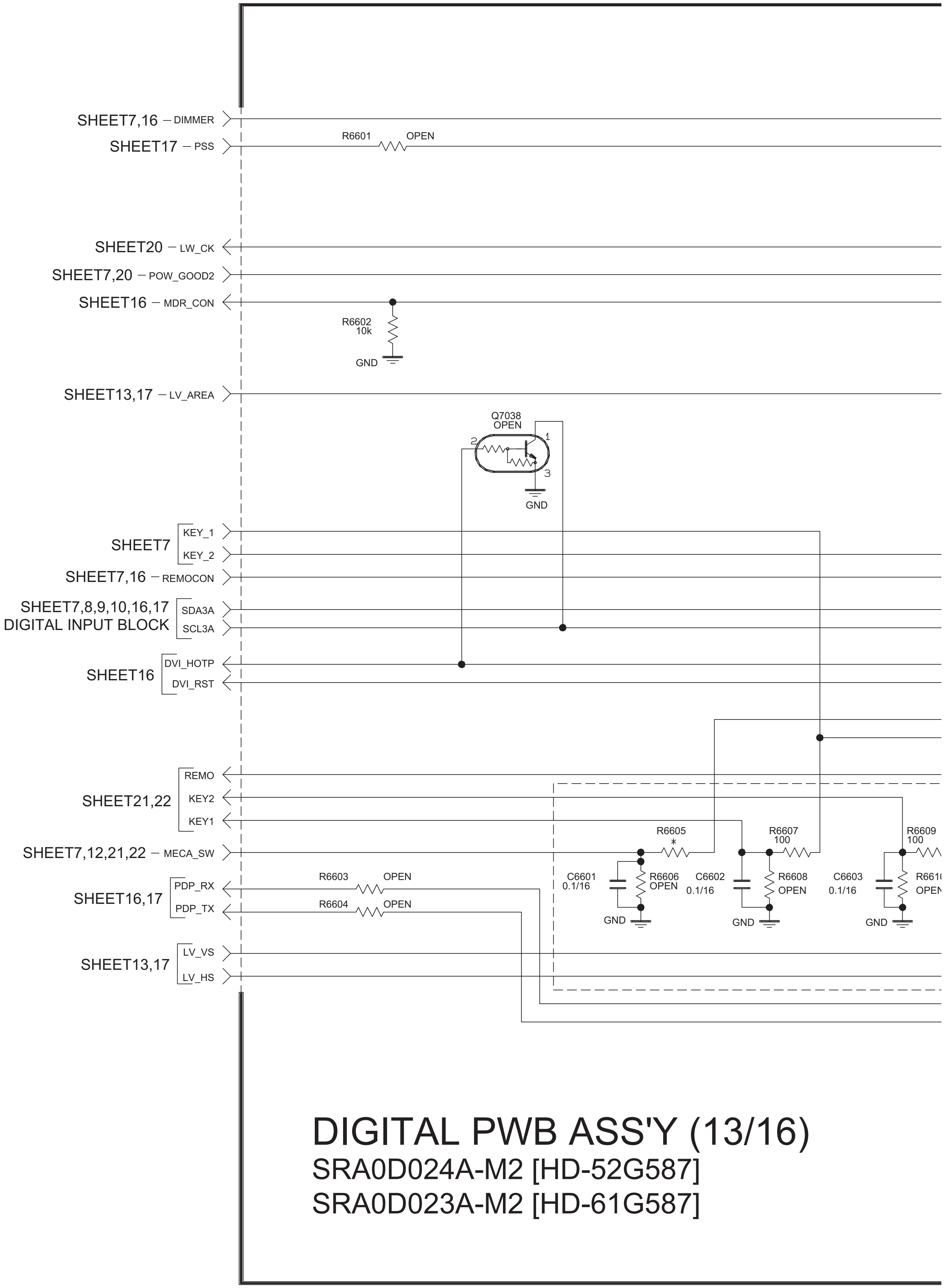
OX
OX
OW

# DIGITAL PWB ASS'Y (12/16)

## SRA0D024A-M2 [HD-52G587]
## SRA0D023A-M2 [HD-61G587]

c10446013_0214_13/17_0.0

# *DIGITAL PWB CIRCUIT DIAGRAM (13/16) [DVI OUT BLOCK] SHEET 19*

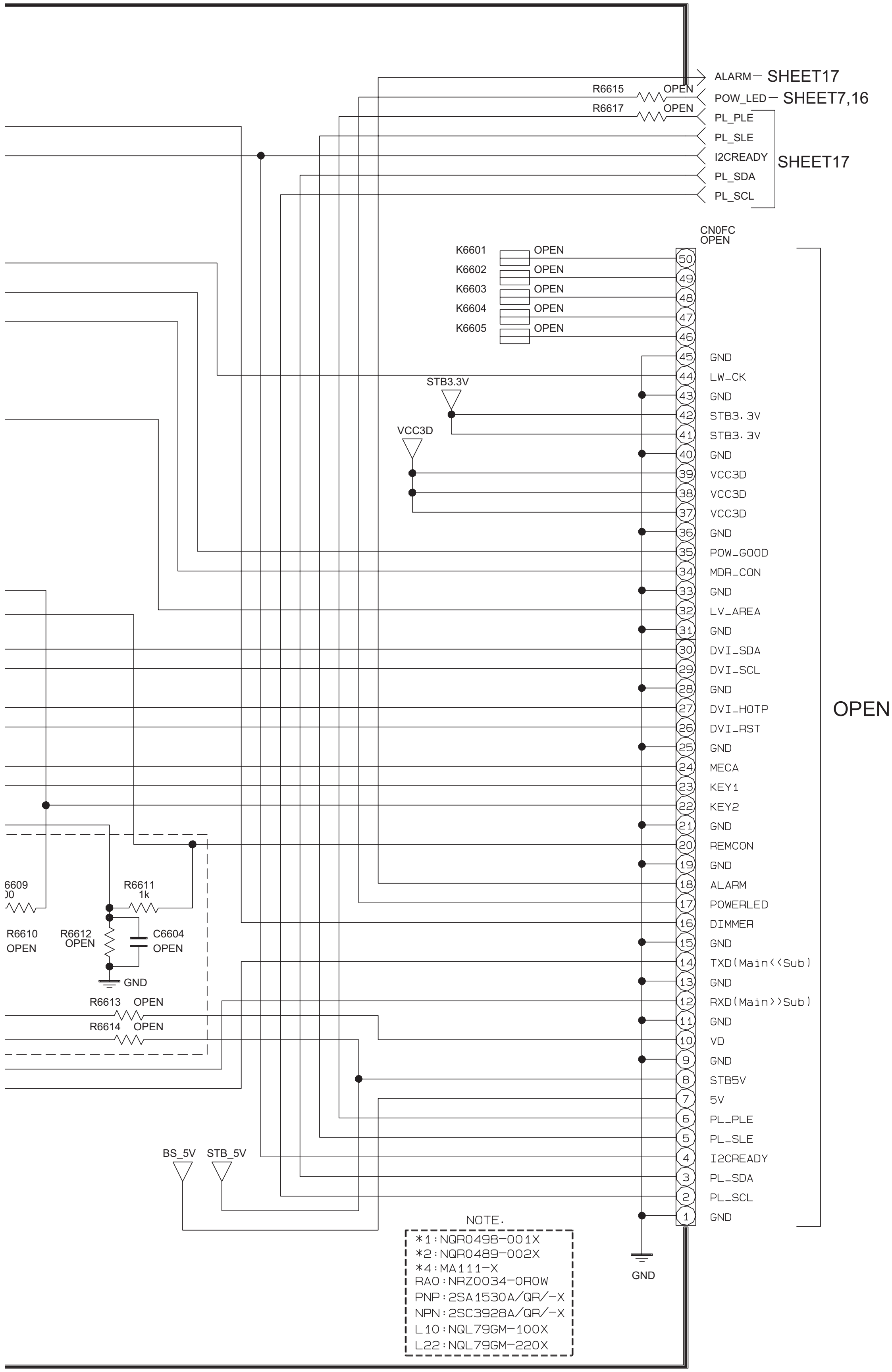

SHEET7,16 DIMMER
SHEET17 PSS
R6601 OPEN
SHEET20 LW_CK
SHEET7,20 POW_GOOD2
SHEET16 MDR_CON
R6602 10k
GND
SHEET13,17 LV_AREA
Q7038 OPEN
1
2
3
GND
SHEET7
KEY_1
KEY_2
SHEET7,16 REMOCON
SHEET7,8,9,10,16,17
DIGITAL INPUT BLOCK
SDA3A
SCL3A
SHEET16
DVI_HOTP
DVI_RST
SHEET21,22
REMO
KEY2
KEY1
SHEET7,12,21,22 MECA_SW
R6605 *
R6607 100
R6609 100
C6601 0.1/16
R6606 OPEN
C6602 0.1/16
R6608 OPEN
C6603 0.1/16
R661
OPEN
GND
GND
GND
SHEET16,17
PDP_RX
PDP_TX
R6603 OPEN
R6604 OPEN
SHEET13,17
LV_VS
LV_HS

# DIGITAL PWB ASS'Y (13/16)

SRA0D024A-M2 [HD-52G587]
SRA0D023A-M2 [HD-61G587]

* DIFFERENCE LIST

| ASSY NO. | SRA -0D011A | SRA -0D012A | SRA -0D013A | SRA -0D014A | SRA -0D015A | SRA -0D016A | SRA -0D017A | SRA -0D018A | SRA -0D019A | SRA -0D020A | SRA -0D021A | SRA -0D022A | SRA -0D023A | SRA -0D024A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | OLLC09895 | OLLC09895 -02 | OLLC09895 -03 | OLLC09895 -04 | OLLC09895 -05 | OLLC09895 -06 | OLLC10086 | OLLC10086 -02 | OLLC10086 -03 | OLLC10086 -04 | OLLC10086 -05 | OLLC10086 -06 | OLLC10086 -07 | OLLC10086 -08 |
| R6605 | 100 | 100 | 100 | 100 | 100 | 100 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |


ALARM SHEET17
R6615 OPEN
POW_LED SHEET7,16
R6617 OPEN
PL_PLE
PL_SLE
I2CREADY
PL_SDA
PL_SCL
SHEET17
CN0FC
OPEN
K6601 OPEN
K6602 OPEN
K6603 OPEN
K6604 OPEN
K6605 OPEN
STB3.3V
VCC3D
50
49
48
47
46
45 GND
44 LW_CK
43 GND
42 STB3.3V
41 STB3.3V
40 GND
39 VCC3D
38 VCC3D
37 VCC3D
36 GND
35 POW_GOOD
34 MDR_CON
33 GND
32 LV_AREA
31 GND
30 DVI_SDA
29 DVI_SCL
28 GND
27 DVI_HOTP
26 DVI_RST
25 GND
24 MECA
23 KEY1
22 KEY2
21 GND
20 REMCON
19 GND
18 ALARM
17 POWERLED
16 DIMMER
15 GND
14 TXD(Main<<Sub)
13 GND
12 RXD(Main>>Sub)
11 GND
10 VD
9 GND
8 STB5V
7 5V
6 PL_PLE
5 PL_SLE
4 I2CREADY
3 PL_SDA
2 PL_SCL
1 GND
OPEN
6609
00
R6611
1k
R6610
OPEN
R6612
OPEN
C6604
OPEN
GND
R6613 OPEN
R6614 OPEN
BS_5V
STB_5V
GND

NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

c10446012_0214_12/17_0.0

# DIGITAL PWB ASS'Y (14/16)

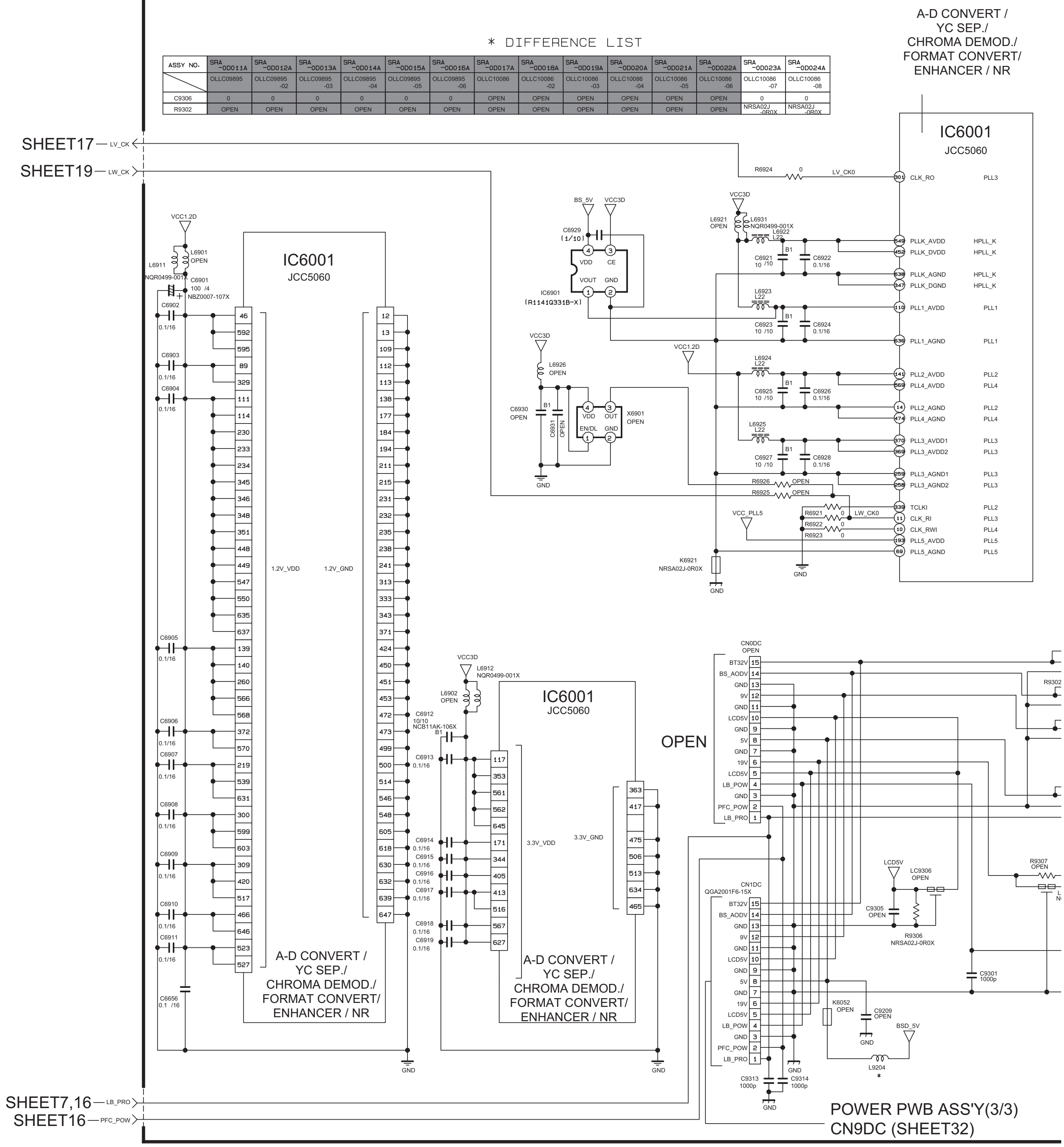
## SRA0D024A-M2 [HD-52G587]
## SRA0D023A-M2 [HD-61G587]

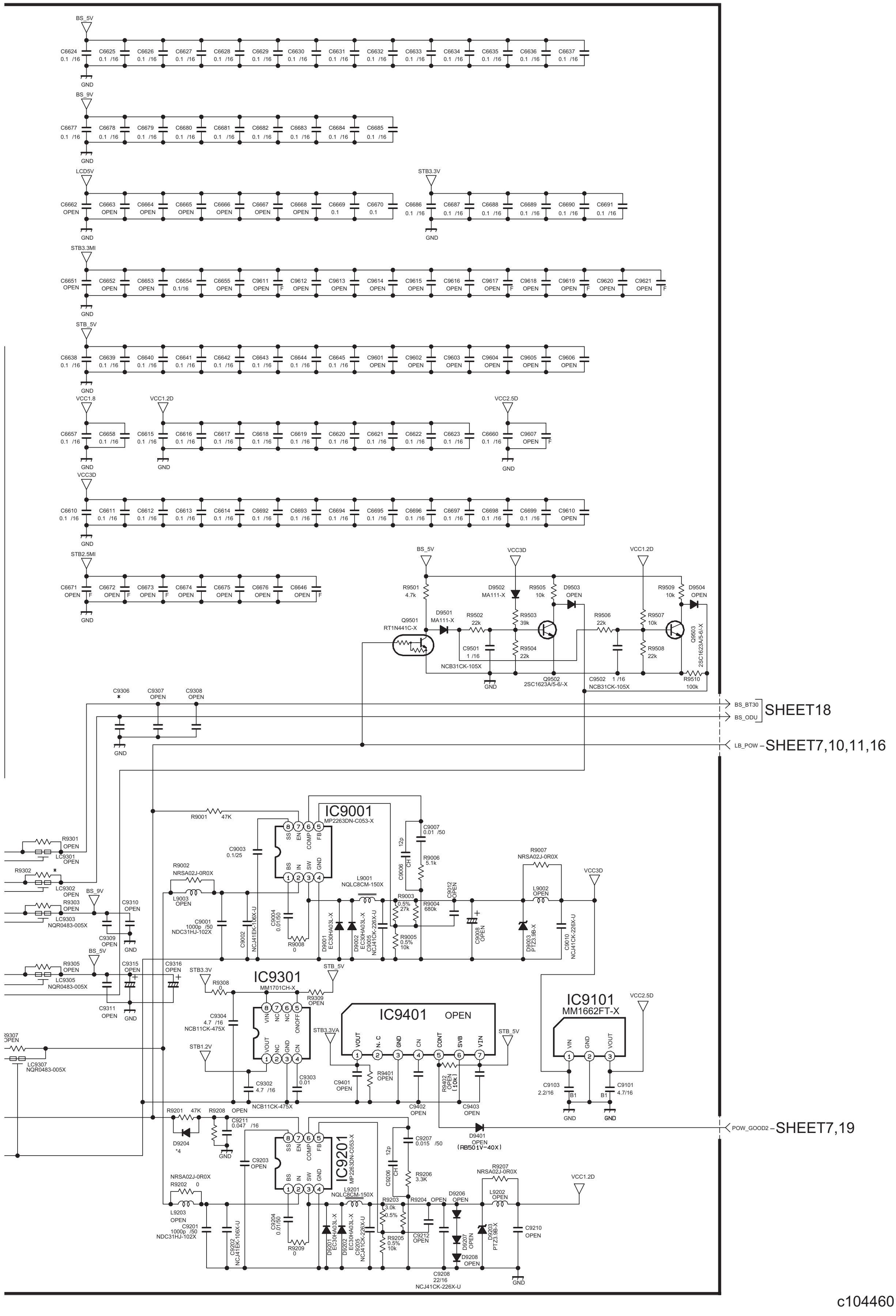
NOTE.

*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

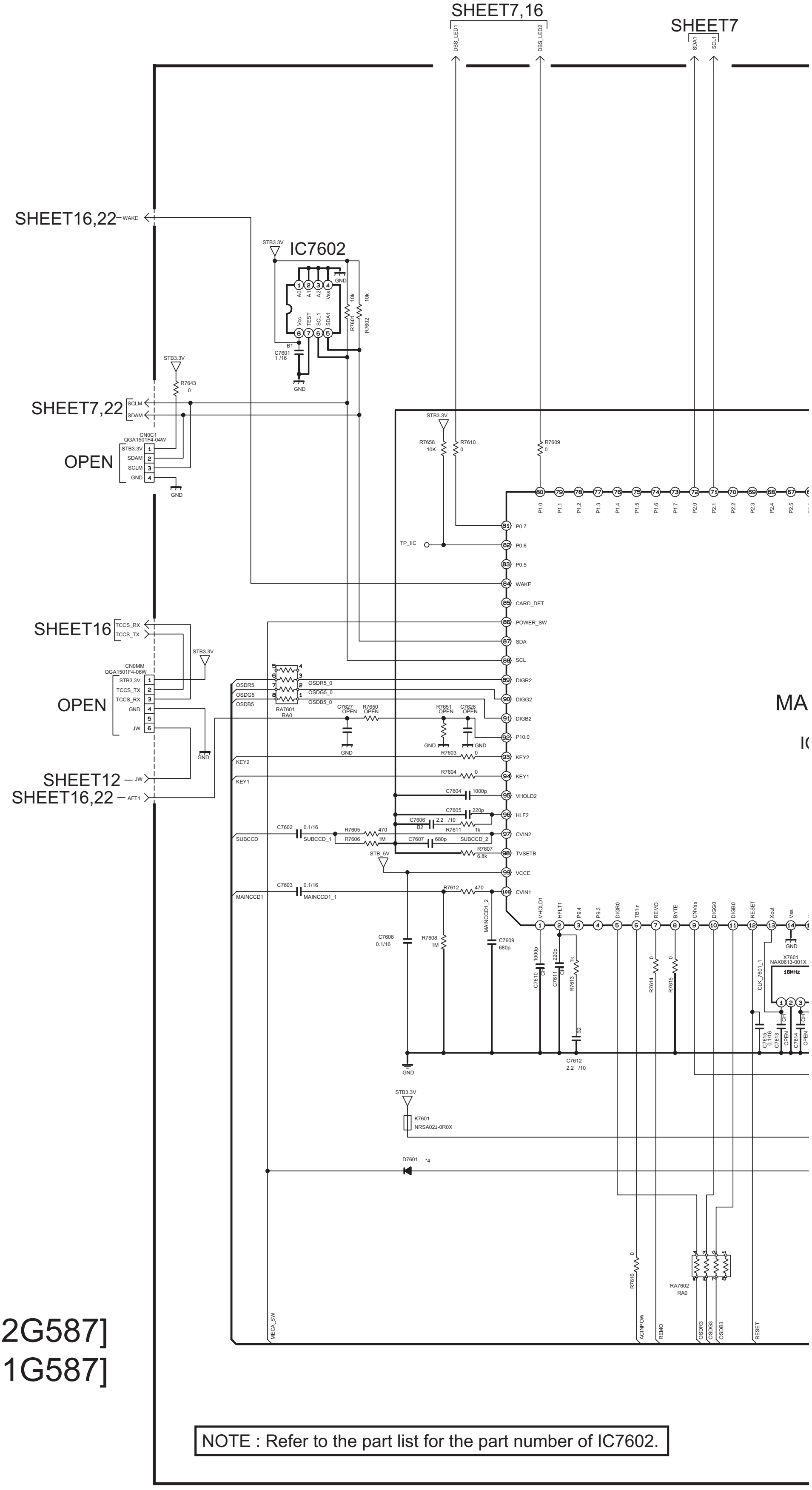
* DIFFERENCE LIST

| ASSY NO. | SRA -0D011A | SRA -0D012A | SRA -0D013A | SRA -0D014A | SRA -0D015A | SRA -0D016A | SRA -0D017A | SRA -0D018A | SRA -0D019A | SRA -0D020A | SRA -0D021A | SRA -0D022A | SRA -0D023A | SRA -0D024A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | OLLC09895 | OLLC09895 -02 | OLLC09895 -03 | OLLC09895 -04 | OLLC09895 -05 | OLLC09895 -06 | OLLC10086 | OLLC10086 -02 | OLLC10086 -03 | OLLC10086 -04 | OLLC10086 -05 | OLLC10086 -06 | OLLC10086 -07 | OLLC10086 -08 |
| C9306 | 0 | 0 | 0 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0 | 0 |
| R9302 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | NRSA02J -0R0X | NRSA02J -0R0X |


A-D CONVERT / YC SEP./ CHROMA DEMOD./ FORMAT CONVERT/ ENHANCER / NR
IC6001
JCC5060
SHEET17
LV_CK
SHEET19
LW_CK
R6924
0
LV_CK0
CLK_RO
PLL3
BS_5V
VCC3D
C6929
(1/10)
VDD
CE
VOUT
GND
IC6901
(R1141Q331B-X)
L6921 OPEN
L6931 NQR0499-001X
L6922 L22
B1
C6921 10 /10
C6922 0.1/16
PLLK_AVDD
PLLK_DVDD
PLLK_AGND
PLLK_DGND
HPLL_K
L6923 L22
C6923 10 /10
C6924 0.1/16
PLL1_AVDD
PLL1_AGND
PLL1
VCC1.2D
L6924 L22
C6925 10 /10
C6926 0.1/16
PLL2_AVDD
PLL4_AVDD
PLL2_AGND
PLL4_AGND
PLL2
PLL4
L6925 L22
C6927 10 /10
C6928 0.1/16
PLL3_AVDD1
PLL3_AVDD2
PLL3_AGND1
PLL3_AGND2
R6926 OPEN
R6925 OPEN
TCLKI
CLK_RI
CLK_RWI
PLL5_AVDD
PLL5_AGND
PLL5
R6921 0
R6922 0
R6923 0
LW_CK0
VCC_PLL5
K6921 NRSA02J-0R0X
GND
L6926 OPEN
C6930 OPEN
C6931 OPEN
EN/DL
OUT
X6901 OPEN
VCC1.2D
L6901 OPEN
L6911 NQR0499-001X
C6901 100 /4 NBZ0007-107X
C6902 0.1/16
C6903 0.1/16
C6904 0.1/16
C6905 0.1/16
C6906 0.1/16
C6907 0.1/16
C6908 0.1/16
C6909 0.1/16
C6910 0.1/16
C6911 0.1/16
C6656 0.1 /16
1.2V_VDD
1.2V_GND
46 592 595 89 329 111 114 230 233 234 345 346 348 351 448 449 547 550 635 637 139 140 260 566 568 372 570 219 539 631 300 599 603 309 420 517 466 646 523 527
12 13 109 112 113 138 177 184 194 211 215 231 232 235 238 241 313 333 343 371 424 450 451 453 472 473 499 500 514 546 548 605 618 630 632 639 647
L6912 NQR0499-001X
L6902 OPEN
C6912 10/10 NCB11AK-106X
C6913 0.1/16
C6914 0.1/16
C6915 0.1/16
C6916 0.1/16
C6917 0.1/16
C6918 0.1/16
C6919 0.1/16
117 353 561 562 645 171 344 405 413 516 567 627
3.3V_VDD
3.3V_GND
363 417 475 506 513 634 465
OPEN
CN0DC OPEN
BT32V
BS_AODV
9V
LCD5V
5V
19V
LB_POW
PFC_POW
LB_PRO
R9302
CN1DC QGA2001F6-15X
LCD5V
LC9306 OPEN
C9305 OPEN
R9306 NRSA02J-0R0X
R9307 OPEN
C9301 1000p
K6052 OPEN
C9209 OPEN
BSD_5V
L9204
C9313 1000p
C9314 1000p
SHEET7,16
LB_PRO
SHEET16
PFC_POW
POWER PWB ASS'Y(3/3) CN9DC (SHEET32)



BS_5V
C6624 0.1 /16
C6625 0.1 /16
C6626 0.1 /16
C6627 0.1 /16
C6628 0.1 /16
C6629 0.1 /16
C6630 0.1 /16
C6631 0.1 /16
C6632 0.1 /16
C6633 0.1 /16
C6634 0.1 /16
C6635 0.1 /16
C6636 0.1 /16
C6637 0.1 /16
GND
BS_9V
C6677 0.1 /16
C6678 0.1 /16
C6679 0.1 /16
C6680 0.1 /16
C6681 0.1 /16
C6682 0.1 /16
C6683 0.1 /16
C6684 0.1 /16
C6685 0.1 /16
GND
LCD5V
C6662 OPEN
C6663 OPEN
C6664 OPEN
C6665 OPEN
C6666 OPEN
C6667 OPEN
C6668 OPEN
C6669 0.1
C6670 0.1
GND
STB3.3V
C6686 0.1 /16
C6687 0.1 /16
C6688 0.1 /16
C6689 0.1 /16
C6690 0.1 /16
C6691 0.1 /16
GND
STB3.3MI
C6651 OPEN
C6652 OPEN
C6653 OPEN
C6654 0.1/16
C6655 OPEN
C9611 OPEN F
C9612 OPEN
C9613 OPEN
C9614 OPEN
C9615 OPEN
C9616 OPEN
C9617 OPEN F
C9618 OPEN
C9619 OPEN F
C9620 OPEN
C9621 OPEN F
GND
STB_5V
C6638 0.1 /16
C6639 0.1 /16
C6640 0.1 /16
C6641 0.1 /16
C6642 0.1 /16
C6643 0.1 /16
C6644 0.1 /16
C6645 0.1 /16
C9601 OPEN
C9602 OPEN
C9603 OPEN
C9604 OPEN
C9605 OPEN
C9606 OPEN
GND
VCC1.8
C6657 0.1 /16
C6658 0.1 /16
GND
VCC1.2D
C6615 0.1 /16
C6616 0.1 /16
C6617 0.1 /16
C6618 0.1 /16
C6619 0.1 /16
C6620 0.1 /16
C6621 0.1 /16
C6622 0.1 /16
C6623 0.1 /16
GND
VCC2.5D
C6660 0.1 /16
C9607 OPEN F
GND
VCC3D
C6610 0.1 /16
C6611 0.1 /16
C6612 0.1 /16
C6613 0.1 /16
C6614 0.1 /16
C6692 0.1 /16
C6693 0.1 /16
C6694 0.1 /16
C6695 0.1 /16
C6696 0.1 /16
C6697 0.1 /16
C6698 0.1 /16
C6699 0.1 /16
C9610 OPEN
GND
STB2.5MI
C6671 OPEN F
C6672 OPEN
C6673 OPEN F
C6674 OPEN
C6675 OPEN
C6676 OPEN
C6646 OPEN F
GND
BS_5V
VCC3D
VCC1.2D
R9501 4.7k
D9502 MA111-X
R9505 10k
D9503 OPEN
R9509 10k
D9504 OPEN
D9501 MA111-X
R9502 22k
R9503 39k
R9506 22k
R9507 10k
Q9503 2SC1623A/5-6/-X
Q9501 RT1N441C-X
C9501 1 /16
NCB31CK-105X
R9504 22k
R9508 22k
GND
Q9502 2SC1623A/5-6/-X
C9502 1 /16
NCB31CK-105X
R9510 100k
C9306 *
C9307 OPEN
C9308 OPEN
GND
BS_BT30
BS_ODU
SHEET18
LB_POW
SHEET7,10,11,16
IC9001
MP2263DN-C053-X
R9001 47K
SS EN COMP FB
BS IN SW GND
C9003 0.1/25
C9007 0.01 /50
12p
C9006 CH
R9006 5.1k
R9301 OPEN
LC9301 OPEN
R9302 *
LC9302 OPEN
R9303 OPEN
LC9303 NQR0483-005X
BS_9V
C9310 OPEN
C9309 OPEN
GND
R9002 NRSA02J-0R0X
L9003 OPEN
C9001 1000p /50 NDC31HJ-102X
C9002 NCJ41EK-106X-U
C9004 0.01/50
R9008 0
L9001 NQLC8CM-150X
D9001 EC30HA03L-X
D9002 EC30HA03L-X
C9005 NCJ41CK-226X-U
R9003 0.5% 27k
R9004 680k
R9005 0.5% 10k
C9012 OPEN
C9008 OPEN
R9007 NRSA02J-0R0X
L9002 OPEN
VCC3D
D9003 PTZ3.9B-X
C9010 NCJ41CK-226X-U
BS_5V
R9305 OPEN
LC9305 NQR0483-005X
C9315 OPEN
C9316 OPEN
C9311 OPEN
GND
STB3.3V
IC9301
MM1701CH-X
STB_5V
R9308 0
R9309 OPEN
VIN NC NC ONOFF
VOUT NC GND CN
C9304 4.7 /16 NCB11CK-475X
STB1.2V
C9302 4.7 /16
NCB11CK-475X
C9303 0.01
IC9401 OPEN
STB3.3VA
STB_5V
VOUT N.C GND CN CONT SVB VIN
C9401 OPEN
R9401 OPEN
R9402 OPEN (10k)
C9402 OPEN
C9403 OPEN
IC9101
MM1662FT-X
VCC2.5D
VIN GND VOUT
C9103 2.2/16
C9101 4.7/16
B1
GND
R9307 OPEN
LC9307 NQR0483-005X
R9201 47K
R9208 OPEN
C9211 0.047 /16
D9204 *4
GND
D9401 OPEN (RB501V-40X)
POW_GOOD2
SHEET7,19
IC9201
MP2263DN-C053-X
C9203 OPEN
C9207 0.015 /50
12p
C9206 CH
R9206 3.3K
NRSA02J-0R0X
R9202 0
L9203 OPEN
C9201 1000p /50 NDC31HJ-102X
C9202 NCJ41EK-106X-U
C9204 0.01/50
R9209 0
L9201 NQLC8CM-150X
D9201 EC30HA03L-X
D9202 EC30HA03L-X
C9205 NCJ41CK-226X-U
R9203 3.0k 0.5%
R9205 0.5% 10k
R9204 OPEN
C9212 OPEN
D9206 OPEN
D9207 OPEN
D9208 OPEN
R9207 NRSA02J-0R0X
L9202 OPEN
D9203 PTZ3.9B-X
VCC1.2D
C9210 OPEN
C9208 22/16 NCJ41CK-226X-U
GND


SHEET7,16
DBS_LED1
DBS_LED2
SHEET7
SDA1
SCL1
SHEET16,22 WAKE
IC7602
STB3.3V
A0 A1 A2 Vss
Vcc TEST SCL1 SDA1
GND
R7601 10k
R7602 10k
B1
C7601 1 /16
R7643 0
SHEET7,22
SCLM
SDAM
CN0C1 QGA1501F4-04W
OPEN
STB3.3V
SDAM
SCLM
GND
R7658 10K
R7610 0
R7609 0
TP_IIC
P1.0 P1.1 P1.2 P1.3 P1.4 P1.5 P1.6 P1.7 P2.0 P2.1 P2.2 P2.3 P2.4 P2.5
P0.7
P0.6
P0.5
WAKE
CARD_DET
POWER_SW
SDA
SCL
DIGR2
DIGG2
DIGB2
P10.0
KEY2
KEY1
VHOLD2
HLF2
CVIN2
TVSETB
VCCE
CVIN1
SHEET16
TCCS_RX
TCCS_TX
CN0MM QGA1501F4-06W
JW
OSDR5
OSDG5
OSDB5
OSDR5_0
OSDG5_0
OSDB5_0
RA7601 RA0
C7627 OPEN
R7650 OPEN
R7651 OPEN
C7628 OPEN
R7603 0
R7604 0
C7604 1000p
C7605 220p
C7606 2.2 /10
B2
R7611 1k
C7602 0.1/16
SUBCCD
SUBCCD_1
R7605 470
R7606 1M
C7607 680p
SUBCCD_2
R7607 6.8k
STB_5V
SHEET12 JW
SHEET16,22 AFT1
C7603 0.1/16
MAINCCD1
MAINCCD1_1
R7612 470
MAINCCD1_2
C7608 0.1/16
R7608 1M
C7609 680p
VHOLD1 HFLT1 P9.4 P9.3 DIGR0 TB1in REMO BYTE CNVss DIGG0 DIGB0 RESET Xout Vss
C7610 1000p CH
C7611 220p CH
R7613 1k
C7612 2.2 /10
R7614 0
R7615 0
CLK_7601_1
X7601 NAX0613-001X
16MHz
C7615 0.1/16
C7613 OPEN
C7614 OPEN
K7601 NRSA02J-0R0X
D7601 *4
R7616 0
RA7602 RA0
MECA_SW
ACINPOW
REMO
OSDR3
OSDG3
OSDB3
RESET
MA
IC

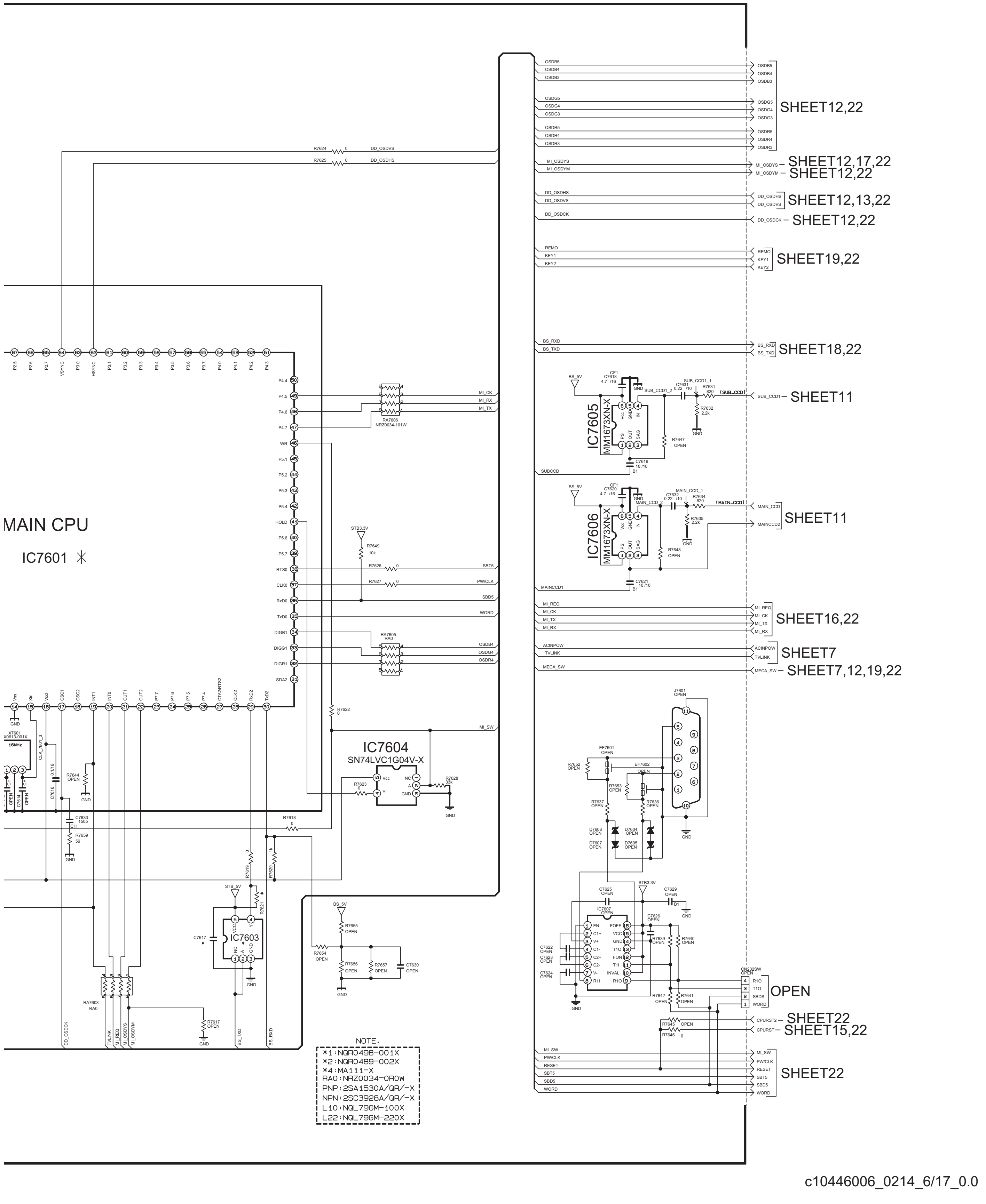
NOTE : Refer to the part list for the part number of IC7602.

# DIGITAL PWB ASS'Y (15/16)

## SRA0D024A-M2 [HD-52G587]
## SRA0D023A-M2 [HD-61G587]

* DIFFERENCE LIST

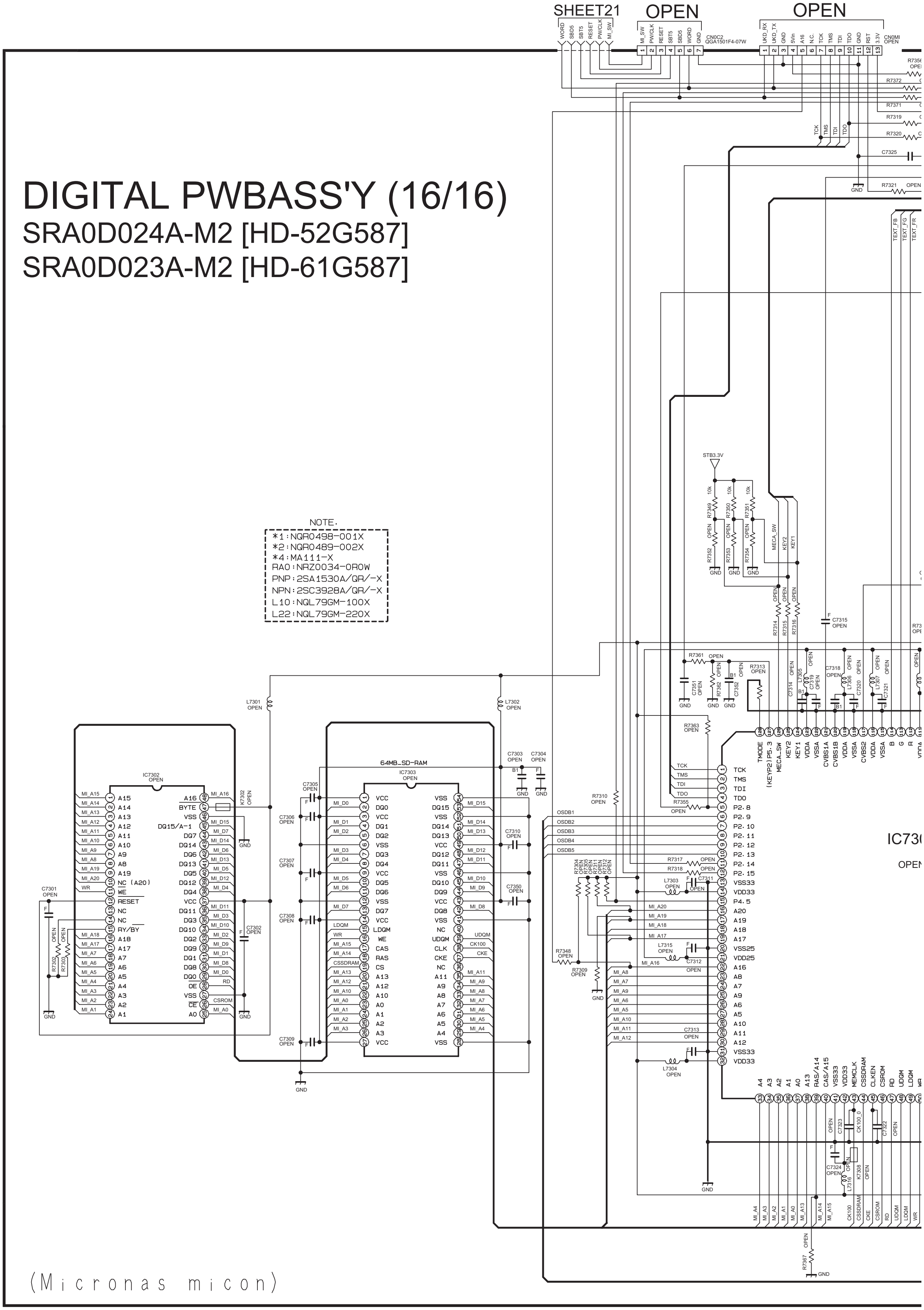
| ASSY NO. | SRA -0D011A | SRA -0D012A | SRA -0D013A | SRA -0D014A | SRA -0D015A | SRA -0D016A | SRA -0D017A | SRA -0D018A | SRA -0D019A | SRA -0D020A | SRA -0D021A | SRA -0D022A | SRA -0D023A | SRA -0D024A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | OLLC09895 | OLLC09895 -02 | OLLC09895 -03 | OLLC09895 -04 | OLLC09895 -05 | OLLC09895 -06 | OLLC10086 | OLLC10086 -02 | OLLC10086 -03 | OLLC10086 -04 | OLLC10086 -05 | OLLC10086 -06 | OLLC10086 -07 | OLLC10086 -08 |
| IC7601 | M306V7FG -152FP | M306V7FG -152FP | M306V7FG -152FP | M306V7FG -152FP | M306V7FG -152FP | M306V7FG -152FP | M306V7FG -152FP | M306V7FG -152FP | M306V7FG -152FP | M306V7FG -152FP | M306V7FG -152FP | M306V7FG -152FP | M306V7MG-153FP | M306V7MG-153FP |
| IC7603 | SN74AHCT1G 08V-X | SN74AHCT1G 08V-X | SN74AHCT1G 08V-X | SN74AHCT1G 08V-X | SN74AHCT1G 08V-X | SN74AHCT1G 08V-X | SN74AHCT1G 08V-X | SN74AHCT1G 08V-X | SN74AHCT1G 08V-X | SN74AHCT1G 08V-X | SN74AHCT1G 08V-X | SN74AHCT1G 08V-X | OPEN | OPEN |
| C7617 | NCB31CK -104X | NCB31CK -104X | NCB31CK -104X | NCB31CK -104X | NCB31CK -104X | NCB31CK -104X | NCB31CK -104X | NCB31CK -104X | NCB31CK -104X | NCB31CK -104X | NCB31CK -104X | NCB31CK -104X | OPEN | OPEN |
| R7621 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 10k | 10k |


MAIN CPU
IC7601 ⁎
IC7604
SN74LVC1G04V-X
IC7603
IC7605
MM1673XN-X
IC7606
MM1673XN-X
IC7607 OPEN
J7601 OPEN
CN232SW OPEN
RA7606 NRZ0034-101W
RA7605 RA0
RA7603 RA0
X7601 X0613-001X 16MHz
OSDB5
OSDB4
OSDB3
OSDG5
OSDG4
OSDG3
OSDR5
OSDR4
OSDR3
SHEET12,22
MI_OSDYS
MI_OSDYM
SHEET12,17,22
SHEET12,22
DD_OSDHS
DD_OSDVS
SHEET12,13,22
DD_OSDCK
SHEET12,22
REMO
KEY1
KEY2
SHEET19,22
BS_RXD
BS_TXD
SHEET18,22
SUB_CCD1
SHEET11
MAIN_CCD
MAINCCD2
SHEET11
SUBCCD
MAINCCD1
MI_REQ
MI_CK
MI_TX
MI_RX
SHEET16,22
ACINPOW
TVLINK
SHEET7
MECA_SW
SHEET7,12,19,22
R1O
T1O
SBDS
WORD
OPEN
CPURST2
SHEET22
CPURST
SHEET15,22
MI_SW
PW/CLK
RESET
SBT5
SBD5
WORD
SHEET22
R7624 0 DD_OSDVS
R7625 0 DD_OSDHS
VSYNC
HSYNC
P4.4
P4.5
P4.6
P4.7
WR
P5.1
P5.2
P5.3
P5.4
HOLD
P5.6
P5.7
RTS0
CLK0
RxD0
TxD0
DIGB1
DIGG1
DIGR1
SDA2
R7626 0 SBT5
R7627 0 PW/CLK
SBD5
WORD
R7649 10k
STB3.3V
BS_5V
R7622 0
R7623 0
R7628 33k
R7618 0
R7619 0
R7620 1k
R7621 ⁎
C7617 ⁎
R7617 OPEN
STB_5V
R7655 OPEN
R7654 OPEN
R7656 OPEN
R7657 OPEN
C7630 OPEN
R7644 OPEN
C7633 150p CH
R7659 56
C7616
C7618 4.7 /16
C7619 10 /10 B1
C7620 4.7 /16
C7621 10 /10 B1
C7631 0.22 /10
C7632 0.22 /10
R7631 820
R7632 2.2k
R7634 820
R7635 2.2k
R7647 OPEN
R7648 OPEN
(SUB_CCD)
(MAIN_CCD)
EF7601 OPEN
EF7602 OPEN
R7652 OPEN
R7653 OPEN
R7636 OPEN
R7637 OPEN
D7604 OPEN
D7605 OPEN
D7606 OPEN
D7607 OPEN
C7622 OPEN
C7623 OPEN
C7624 OPEN
C7625 OPEN
C7626 OPEN
C7629 OPEN
R7639 OPEN
R7640 OPEN
R7641 OPEN
R7642 OPEN
R7645 OPEN
R7646 0
DD_OSDCK
TVLINK
MI_REQ
MI_OSDYS
MI_OSDYM
BS_TXD
BS_RXD
GND

NOTE.

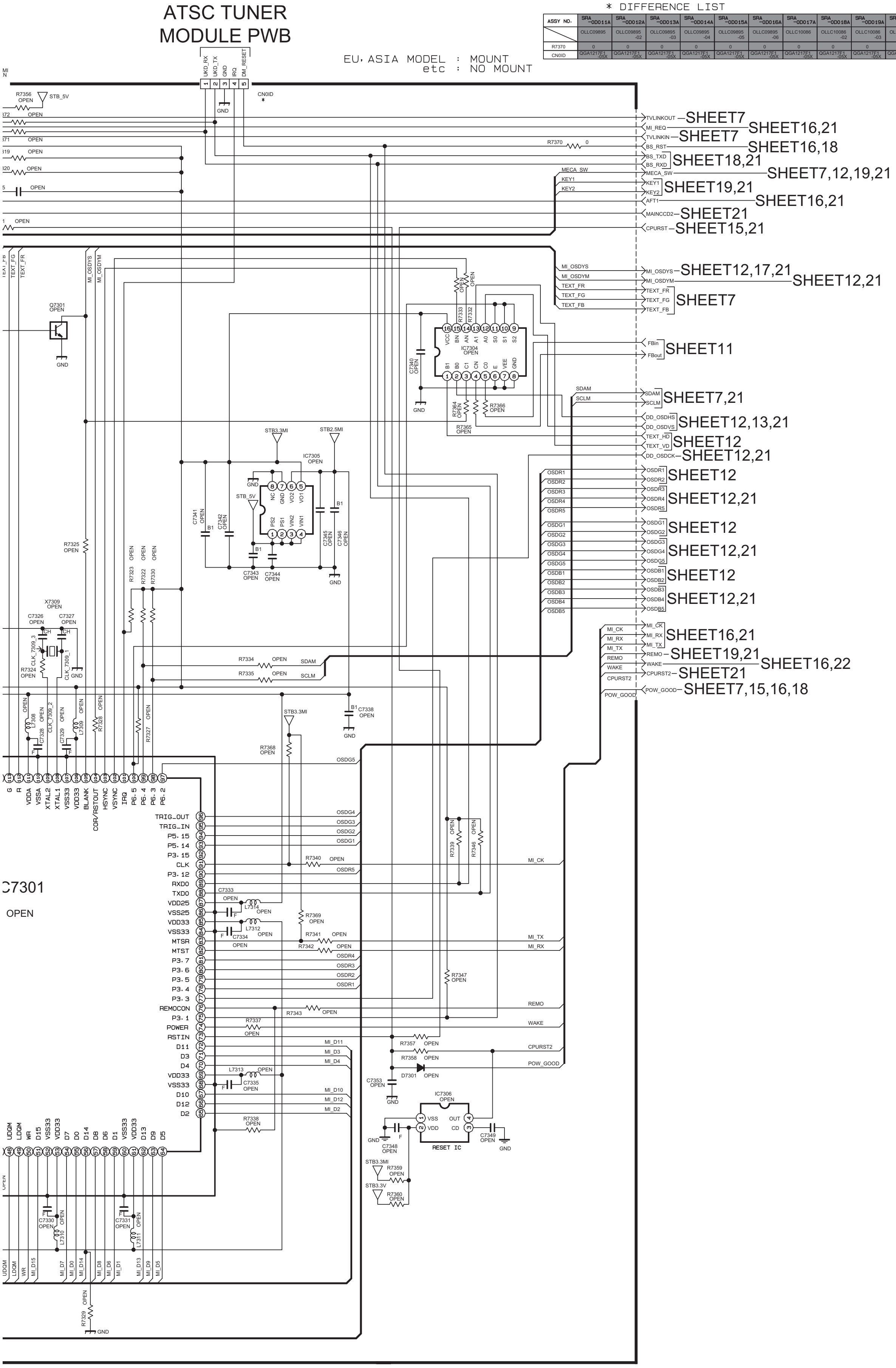
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

c10446006_0214_6/17_0.0


SHEET21
OPEN
OPEN
WORD
SBD5
SBT5
RESET
PW/CLK
MI_SW
CN0C2
QGA1501F4-07W
UKD_RX
UKD_TX
GND
5Vin
A16
N.C.
TCK
TMS
TDI
TDO
RST
3.3V
CN0MI
OPEN
DIGITAL PWBASS'Y (16/16)
SRA0D024A-M2 [HD-52G587]
SRA0D023A-M2 [HD-61G587]
NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X
STB3.3V
MECA_SW
KEY2
KEY1
TEXT_FB
TEXT_FG
TEXT_FR
IC7302
OPEN
IC7303
OPEN
64MB_SD-RAM
IC730
OPEN
L7301
OPEN
L7302
OPEN
TMODE
(KEY2)P5.3
MECA_SW
KEY2
KEY1
VDDA
VSSA
CVBS1A
CVBS1B
VDDA
VSSA
CVBS2
VDDA
VSSA
B
G
R
TCK
TMS
TDI
TDO
P2.8
P2.9
P2.10
P2.11
P2.12
P2.13
P2.14
P2.15
VSS33
VDD33
P4.5
A20
A19
A18
A17
VSS25
VDD25
A16
A8
A7
A9
A6
A5
A10
A11
A12
VSS33
VDD33
A4
A3
A2
A1
A0
A13
RAS/A14
CAS/A15
VSS33
VDD33
MEMCLK
CSSDRAM
CLKEN
CSROM
RD
UDQM
LDQM
WR
OSDB1
OSDB2
OSDB3
OSDB4
OSDB5
A15
A14
A13
A12
A11
A10
A9
A8
A19
NC (A20)
WE
RESET
NC
NC
RY/BY
A18
A17
A7
A6
A5
A4
A3
A2
A1
A16
BYTE
VSS
DQ15/A-1
DQ7
DQ14
DQ6
DQ13
DQ5
DQ12
DQ4
VCC
DQ11
DQ3
DQ10
DQ2
DQ9
DQ1
DQ8
DQ0
OE
VSS
CE
A0
VCC
DQ0
VCC
DQ1
DQ2
VSS
DQ3
DQ4
VCC
DQ5
DQ6
VSS
DQ7
VCC
LDQM
WE
CAS
RAS
CS
A13
A12
A10
A0
A1
A2
A3
VCC
VSS
DQ15
VSS
DQ14
DQ13
VCC
DQ12
DQ11
VSS
DQ10
DQ9
VCC
DQ8
VSS
NC
UDQM
CLK
CKE
NC
A11
A9
A8
A7
A6
A5
A4
VSS
GND
(Micronas micon)

* DIFFERENCE LIST

| ASSY NO. | SRA -0D011A | SRA -0D012A | SRA -0D013A | SRA -0D014A | SRA -0D015A | SRA -0D016A | SRA -0D017A | SRA -0D018A | SRA -0D019A | SRA -0D020A | SRA -0D021A | SRA -0D022A | SRA -0D023A | SRA -0D024A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | OLLC09895 | OLLC09895 -02 | OLLC09895 -03 | OLLC09895 -04 | OLLC09895 -05 | OLLC09895 -06 | OLLC10086 | OLLC10086 -02 | OLLC10086 -03 | OLLC10086 -04 | OLLC10086 -05 | OLLC10086 -06 | OLLC10086 -07 | OLLC10086 -08 |
| R7370 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | OPEN | OPEN |
| CN0ID | QGA1217F1 -05X | QGA1217F1 -05X | QGA1217F1 -05X | QGA1217F1 -05X | QGA1217F1 -05X | QGA1217F1 -05X | QGA1217F1 -05X | QGA1217F1 -05X | QGA1217F1 -05X | QGA1217F1 -05X | QGA1217F1 -05X | QGA1217F1 -05X | OPEN | OPEN |


ATSC TUNER
MODULE PWB
EU, ASIA MODEL : MOUNT
etc : NO MOUNT
UKD_RX
UKD_TX
GND
IRQ
DM_RESET
CN0ID *
R7356 OPEN
STB_5V
R7370 0
TVLINKOUT SHEET7
MI_REQ SHEET16,21
TVLINKIN SHEET7
BS_RST SHEET16,18
BS_TXD
BS_RXD SHEET18,21
MECA_SW SHEET7,12,19,21
KEY1
KEY2 SHEET19,21
AFT1 SHEET16,21
MAINCCD2 SHEET21
CPURST SHEET15,21
MI_OSDYS SHEET12,17,21
MI_OSDYM SHEET12,21
TEXT_FR
TEXT_FG
TEXT_FB SHEET7
FBin
FBout SHEET11
SDAM
SCLM SHEET7,21
DD_OSDHS
DD_OSDVS SHEET12,13,21
TEXT_HD
TEXT_VD SHEET12
DD_OSDCK SHEET12,21
OSDR1
OSDR2 SHEET12
OSDR3
OSDR4
OSDR5 SHEET12,21
OSDG1
OSDG2 SHEET12
OSDG3
OSDG4
OSDG5 SHEET12,21
OSDB1
OSDB2 SHEET12
OSDB3
OSDB4
OSDB5 SHEET12,21
MI_CK
MI_RX
MI_TX SHEET16,21
REMO SHEET19,21
WAKE SHEET16,22
CPURST2 SHEET21
POW_GOOD SHEET7,15,16,18
Q7301 OPEN
IC7304 OPEN
VCC BN AN A1 A0 S0 S1 S2
B1 B0 C1 CN C0 E VEE GND
C7340 OPEN
R7333 R7332 OPEN
R7364 OPEN
R7366 OPEN
R7365 OPEN
IC7305 OPEN
STB3.3MI
STB2.5MI
NC GND VO2 VO1
PS2 PS1 VIN2 VIN1
C7341 OPEN
C7342 OPEN
C7343 OPEN
C7344 OPEN
C7345 OPEN
C7346 OPEN
R7325 OPEN
R7323 R7322 R7330 OPEN
X7309 OPEN
C7326 OPEN
C7327 OPEN
CLK_7309_3
CLK_7309_1
R7324 OPEN
R7334 OPEN SDAM
R7335 OPEN SCLM
C7338 OPEN
L7308 OPEN
C7328
CLK_7309_2
C7329
L7309 OPEN
R7326 OPEN
R7327 OPEN
R7368 OPEN
STB3.3MI
G R VDDA VSSA XTAL2 XTAL1 VSS33 VDD33 BLANK COR/RSTOUT HSYNC VSYNC IRQ P6.5 P6.4 P6.3 P6.2
TRIG_OUT
TRIG_IN
P5.15
P5.14
P3.15
CLK
P3.12
RXD0
TXD0
VDD25
VSS25
VDD33
VSS33
MTSR
MTST
P3.7
P3.6
P3.5
P3.4
P3.3
REMOCON
P3.1
POWER
RSTIN
D11
D3
D4
VDD33
VSS33
D10
D12
D2
IC7301
OPEN
C7333 OPEN
L7314 OPEN
L7312 OPEN
C7334 OPEN
R7340 OPEN
R7369 OPEN
R7341 OPEN
R7342 OPEN
R7339 OPEN
R7348 OPEN
R7347 OPEN
R7343 OPEN
R7337 OPEN
R7357 OPEN
R7358 OPEN
D7301 OPEN
C7353 OPEN
L7313 OPEN
C7335 OPEN
R7338 OPEN
MI_D11 MI_D3 MI_D4 MI_D10 MI_D12 MI_D2
IC7306 OPEN
VSS VDD OUT CD
RESET IC
C7348 OPEN
C7349 OPEN
STB3.3MI
R7359 OPEN
STB3.3V
R7360 OPEN
UDQM LDQM WR D15 VSS33 VDD33 D7 D0 D14 D8 D6 D1 VSS33 VDD33 D13 D9 D5
C7330 OPEN
L7310 OPEN
C7331 OPEN
L7311 OPEN
MI_D15 MI_D7 MI_D0 MI_D14 MI_D8 MI_D6 MI_D1 MI_D13 MI_D9 MI_D5
R7329 OPEN
GND

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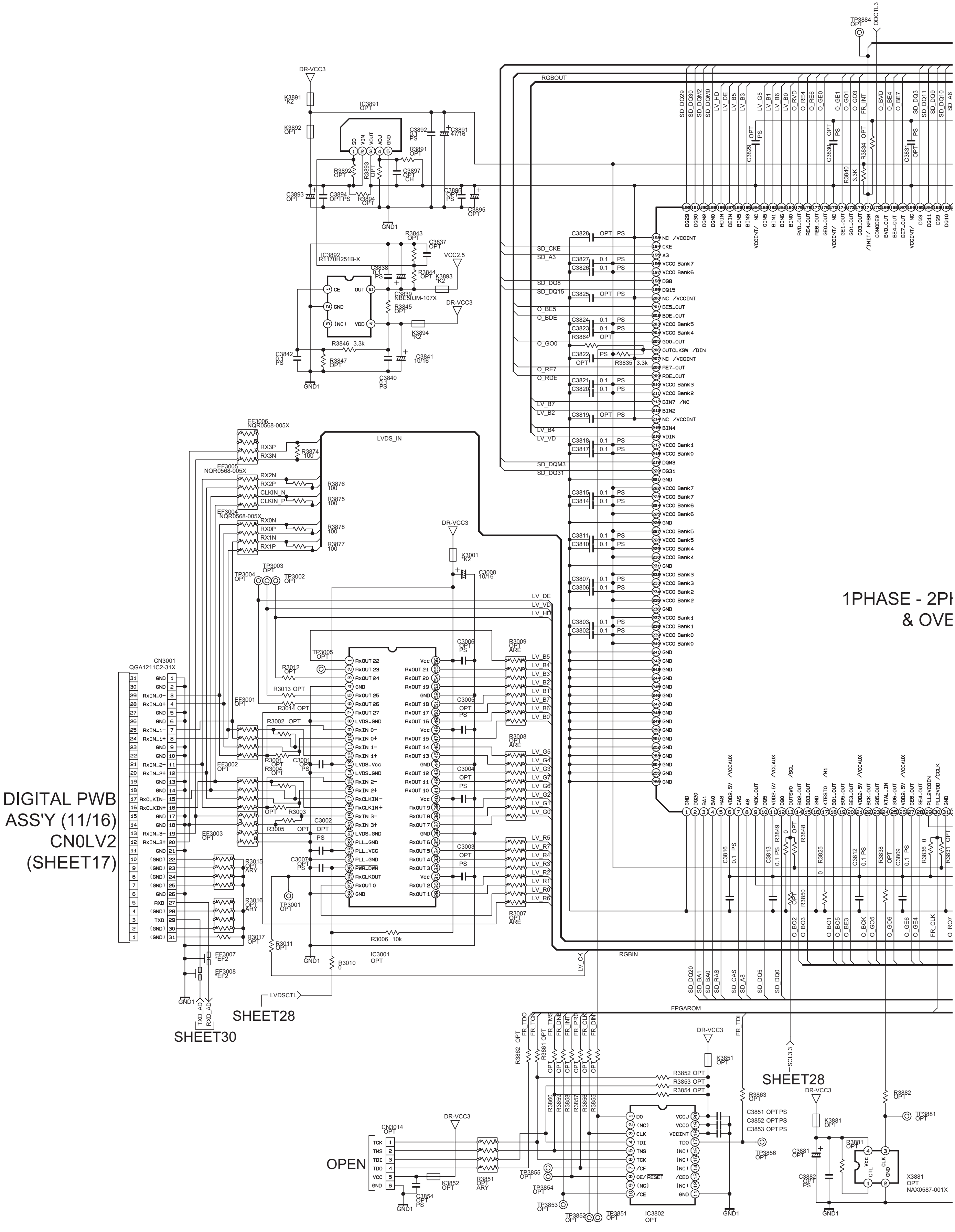
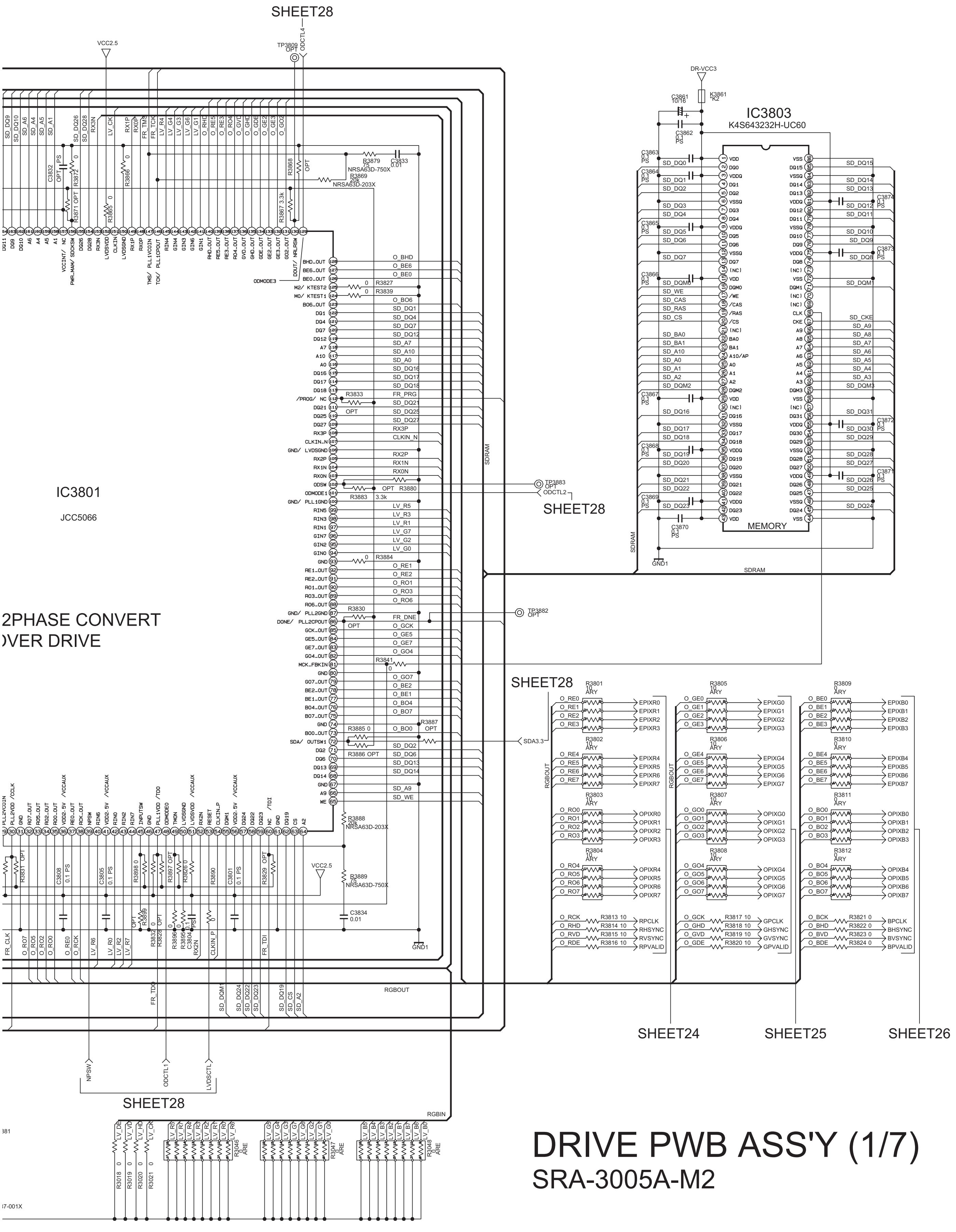
# DRIVE PWB CIRCUIT DIAGRAM (1/7) [LVDS_INPUT] SHEET 23


SHEET28
ODCTL3
TP3884 OPT
RGBOUT
IC3891 OPT
DR-VCC3
IC3892 RT170R251B-X
VCC2.5
LVDS_IN
EF3006 NQR0568-005X
EF3005 NQR0568-005X
EF3004 NQR0568-005X
RX3P
RX3N
RX2N
RX2P
CLKIN_N
CLKIN_P
RX0N
RX0P
RX1N
RX1P
CN3001 QGA1211C2-31X
DIGITAL PWB
ASS'Y (11/16)
CN0LV2
(SHEET17)
LV_DE
LV_VD
LV_HD
IC3001 OPT
RGBIN
FPGAROM
LVDSCTL
SHEET28
SHEET30
TXD_AD
RXD_AD
1PHASE - 2PH
& OVE
SHEET28
SCL3.3
CN3014 OPT
OPEN
IC3802 OPT
X3881 OPT NAX0587-001X

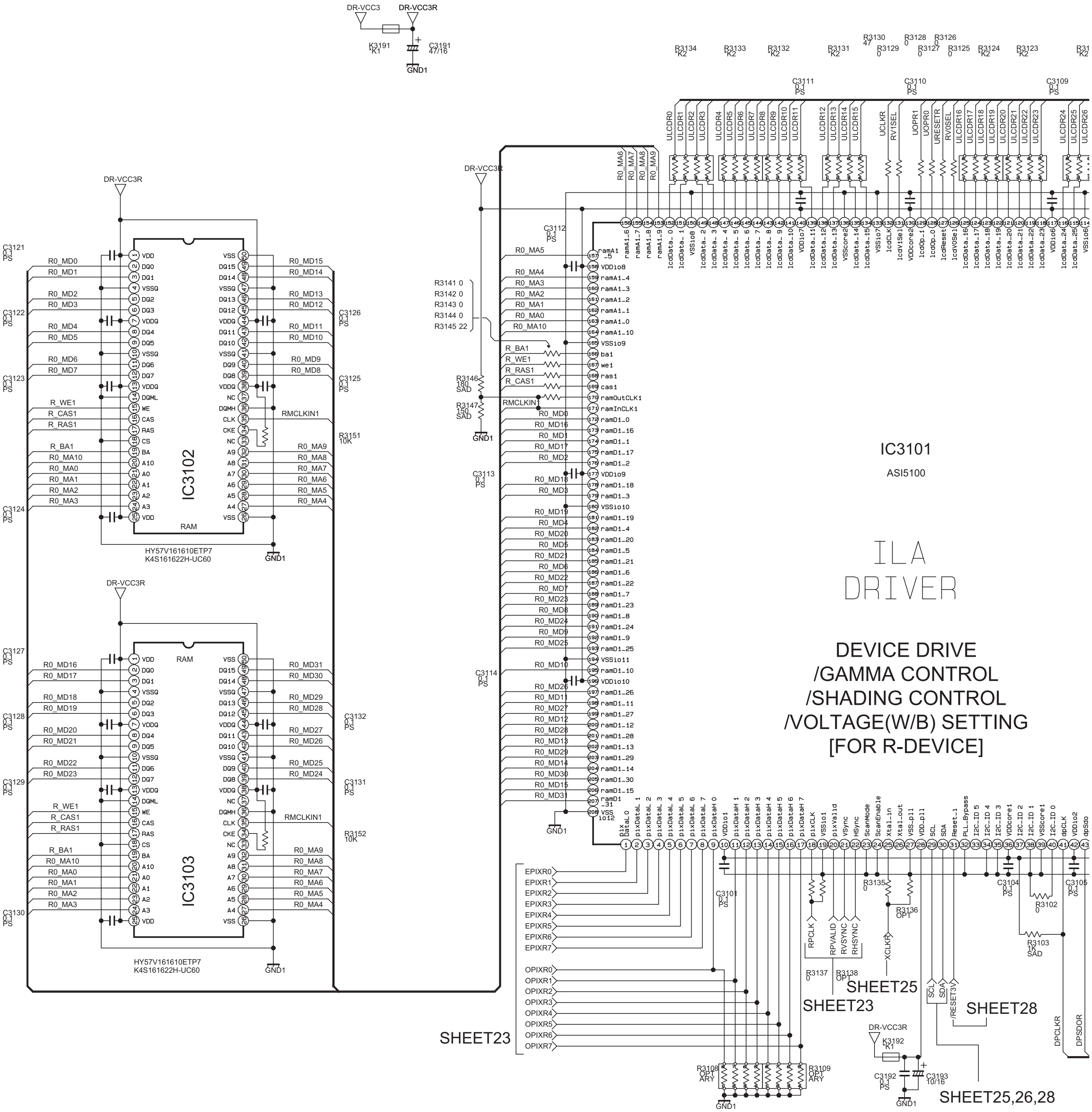

SHEET28
VCC2.5
TP3809
OPT
ODCTL4
DR-VCC3
K3861
C3861
IC3803
K4S643232H-UC60
MEMORY
SDRAM
IC3801
JCC5066
TP3883
ODCTL2
SHEET28
2PHASE CONVERT
OVER DRIVE
TP3882
SHEET28
SDA3.3
RGBOUT
SHEET24
SHEET25
SHEET26
NPSW
ODCTL1
LVDSCTL
SHEET28
RGBIN
GND1

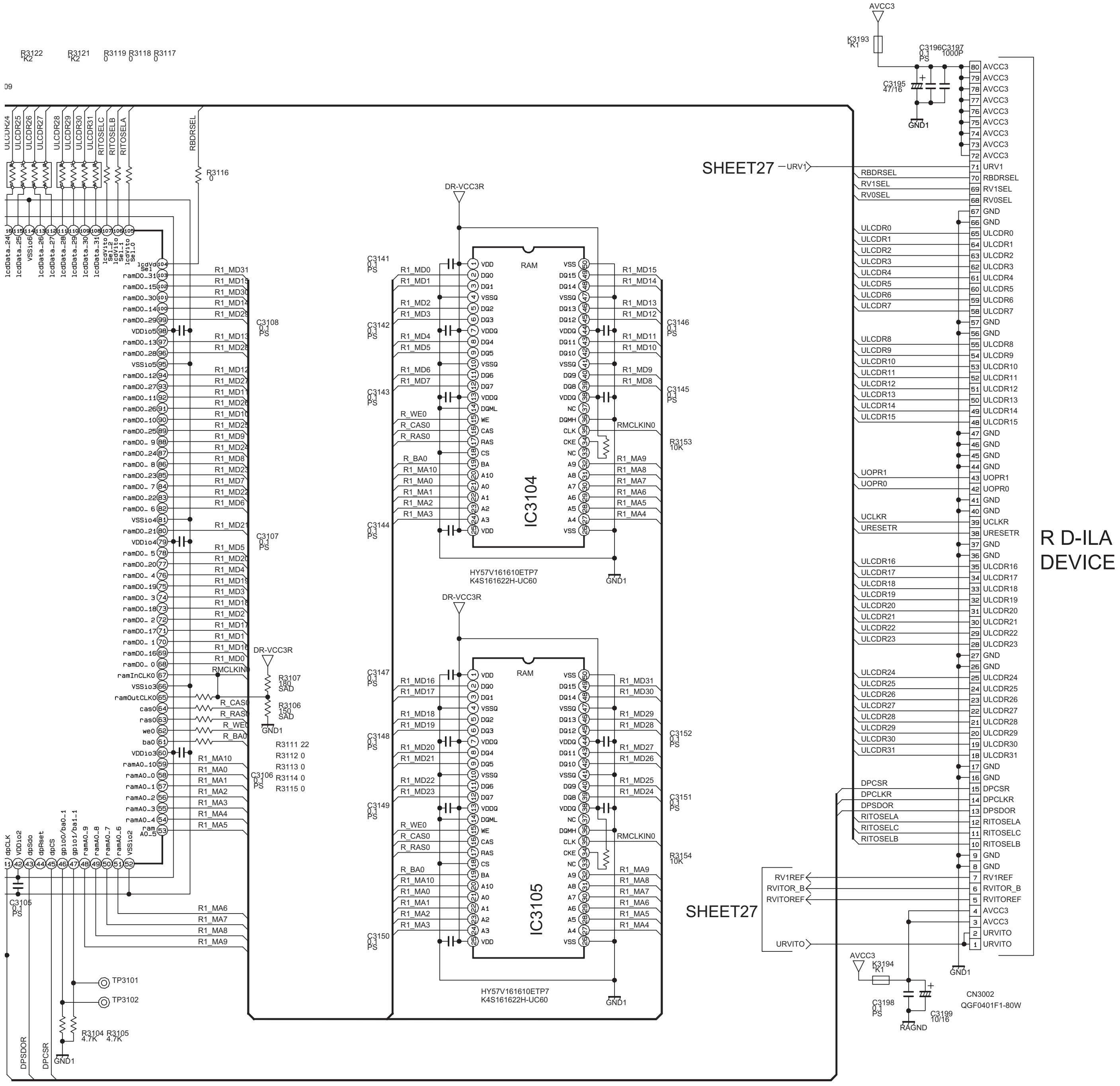
# DRIVE PWB ASS'Y (1/7)

## SRA-3005A-M2

c10437001_0208_1/7_0.0

## DRIVE PWB CIRCUIT DIAGRAM (2/7) [R_DRIVER] SHEET 24


DR-VCC3
DR-VCC3R
K3191
K1
C3191
47/16
GND1
IC3102
RAM
HY57V161610ETP7
K4S161622H-UC60
IC3103
HY57V161610ETP7
K4S161622H-UC60
RMCLKIN1
R3151
10K
R3152
10K
IC3101
ASI5100
ILA
DRIVER
DEVICE DRIVE
/GAMMA CONTROL
/SHADING CONTROL
/VOLTAGE(W/B) SETTING
[FOR R-DEVICE]
R3141 0
R3142 0
R3143 0
R3144 0
R3145 22
R3146
180
SAD
R3147
150
SAD
EPIXR0
EPIXR1
EPIXR2
EPIXR3
EPIXR4
EPIXR5
EPIXR6
EPIXR7
OPIXR0
OPIXR1
OPIXR2
OPIXR3
OPIXR4
OPIXR5
OPIXR6
OPIXR7
SHEET23
SHEET25
SHEET23
SHEET28
SHEET25,26,28
RPCLK
RPVALID
RVSYNC
RHSYNC
XCLKR
SCL
SDA
/RESET3V
DPCLKR
DPSDOR
R3108
OPT
ARY
R3109
OPT
ARY
K3192
K1
C3192
0.1
PS
C3193
10/16
R3135
0
R3136
OPT
R3137
0
R3138
OPT
R3102
0
R3103
1K
SAD
C3101
0.1
PS
C3104
0.1
PS
C3105
0.1
PS
C3109
C3110
C3111
C3112
C3113
C3114
R3123
R3124
R3125
R3126
R3127
R3128
R3129
R3130
47
R3131
R3132
R3133
R3134
K2



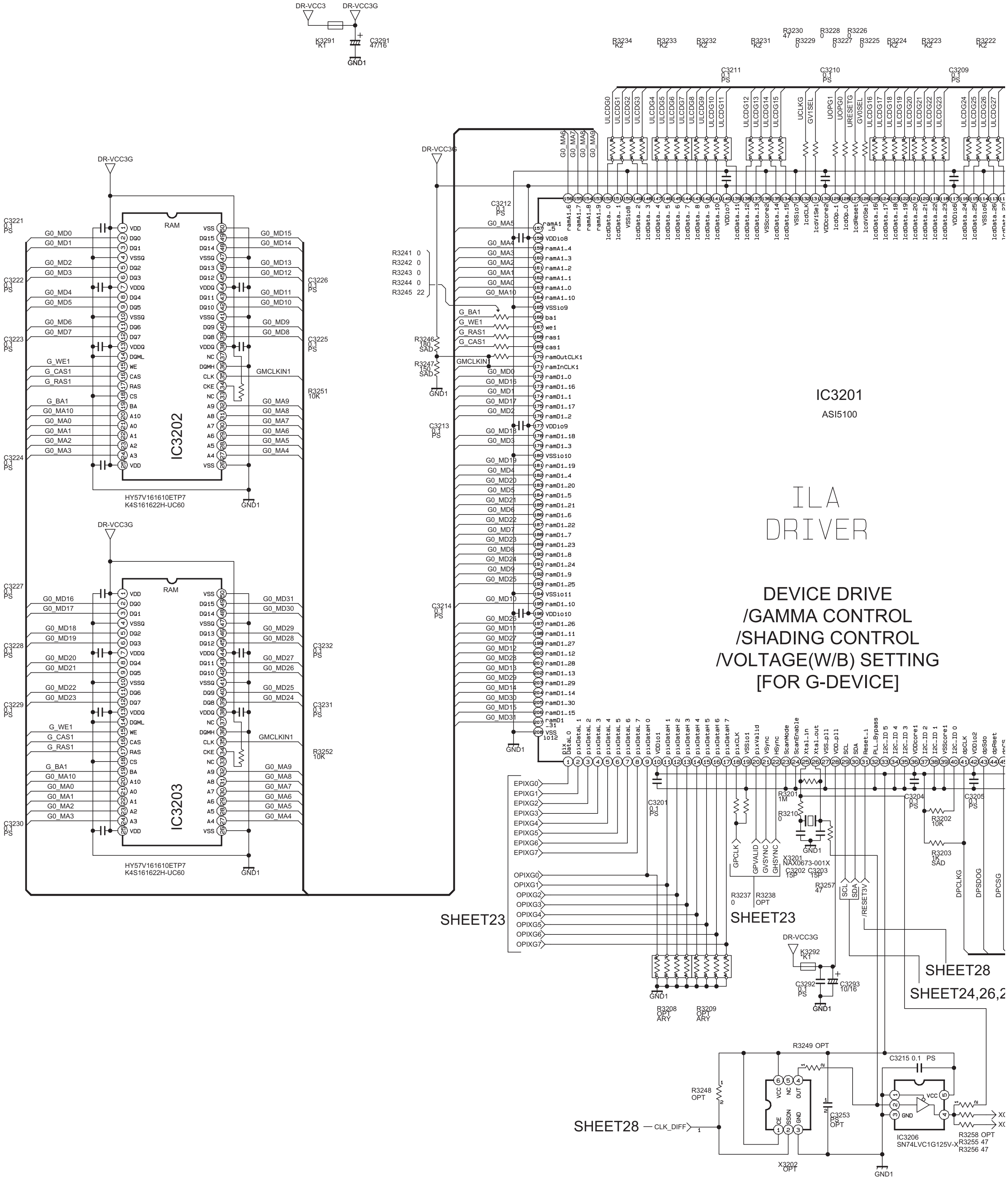
AVCC3
K3193
K1
C3196
0.1
PS
C3197
1000P
C3195
47/16
GND1
SHEET27
URV1
RBDRSEL
RV1SEL
RV0SEL
R D-ILA
DEVICE
CN3002
QGF0401F1-80W
AVCC3
K3194
K1
C3198
0.1
PS
C3199
10/16
RAGND
RV1REF
RVITOR_B
RVITOREF
URVITO
ULCDR0
ULCDR1
ULCDR2
ULCDR3
ULCDR4
ULCDR5
ULCDR6
ULCDR7
ULCDR8
ULCDR9
ULCDR10
ULCDR11
ULCDR12
ULCDR13
ULCDR14
ULCDR15
UOPR1
UOPR0
UCLKR
URESETR
ULCDR16
ULCDR17
ULCDR18
ULCDR19
ULCDR20
ULCDR21
ULCDR22
ULCDR23
ULCDR24
ULCDR25
ULCDR26
ULCDR27
ULCDR28
ULCDR29
ULCDR30
ULCDR31
DPCSR
DPCLKR
DPSDOR
RITOSELA
RITOSELC
RITOSELB
GND
IC3104
IC3105
RAM
DR-VCC3R
HY57V161610ETP7
K4S161622H-UC60
GND1
C3141
C3142
C3143
C3144
C3145
C3146
C3147
C3148
C3149
C3150
C3151
C3152
0.1
PS
R3153
10K
R3154
10K
RMCLKIN0
R_WE0
R_CAS0
R_RAS0
R_BA0
R1_MD0
R1_MD31
R1_MA0
R1_MA10
VDD
VSS
VDDQ
VSSQ
DQML
DQMH
WE
CAS
RAS
CS
BA
CLK
CKE
NC
R3122
K2
R3121
K2
R3119
0
R3118
0
R3117
0
R3116
0
RBDRSEL
C3108
0.1
PS
C3107
0.1
PS
C3106
0.1
PS
C3105
0.1
PS
R3107
180
SAD
R3106
150
SAD
R3111 22
R3112 0
R3113 0
R3114 0
R3115 0
ramInCLK0
ramOutCLK0
cas0
ras0
we0
ba0
lcdVoSel
dpCLK
dpSdo
dpRset
dpCS
gpio0/ba0_1
gpio1/ba1_1
TP3101
TP3102
R3104
4.7K
R3105
4.7K
DPSDOR
DPCSR

# DRIVE PWB ASS'Y (2/7)

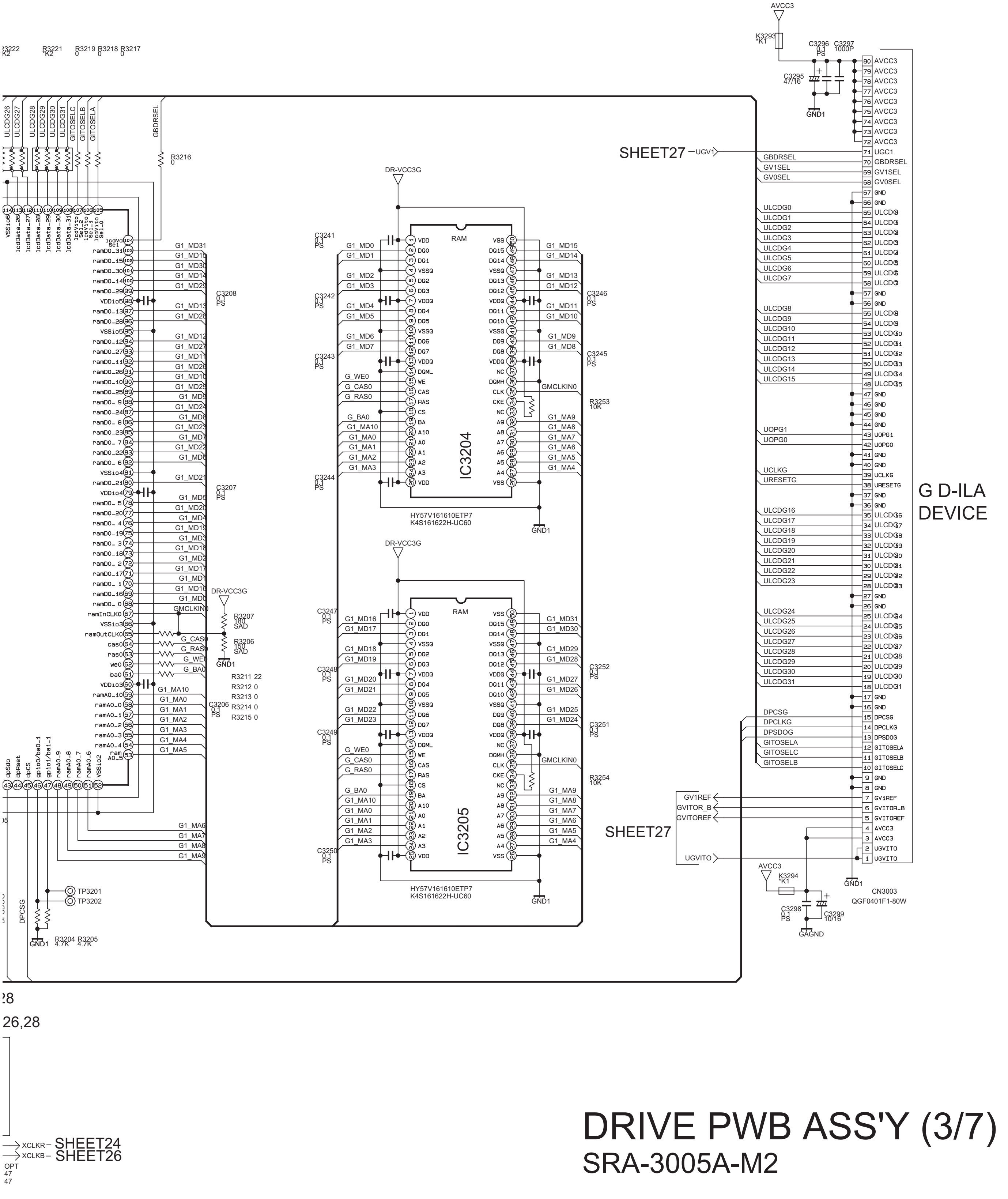
## SRA-3005A-M2

c10437002_0208_2/7_0.0

## DRIVE PWB CIRCUIT DIAGRAM (3/7) [G_DRIVER] SHEET 25



DR-VCC3
DR-VCC3G
K3291 K1
C3291 47/16
GND1
IC3202
RAM
HY57V161610ETP7
K4S161622H-UC60
IC3203
IC3201
ASI5100
ILA DRIVER
DEVICE DRIVE
/GAMMA CONTROL
/SHADING CONTROL
/VOLTAGE(W/B) SETTING
[FOR G-DEVICE]
G0_MD0
G0_MD1
G0_MD15
G0_MD14
GMCLKIN1
G_WE1
G_CAS1
G_RAS1
G_BA1
G0_MA10
R3251 10K
R3252 10K
R3241 0
R3242 0
R3243 0
R3244 0
R3245 22
R3246 180 SAD
R3247 150 SAD
C3212 0.1 PS
C3213 0.1 PS
C3214 0.1 PS
EPIXG0
EPIXG1
EPIXG2
EPIXG3
EPIXG4
EPIXG5
EPIXG6
EPIXG7
OPIXG0
OPIXG1
OPIXG2
OPIXG3
OPIXG4
OPIXG5
OPIXG6
OPIXG7
SHEET23
GPCLK
GPVALID
GVSYNC
GHSYNC
SCL
SDA
/RESET3V
X3201 NAX0673-001X
C3202 15P
C3203 15P
R3201 1M
R3210 0
R3237 0
R3238 OPT
R3257 47
R3202 10K
R3203 1K SAD
C3201 0.1 PS
C3204 0.1 PS
C3205 0.1 PS
DPCLKG
DPSDOG
DPCSG
K3292 K1
C3292 0.1 PS
C3293 10/16
R3208 OPT ARY
R3209 OPT ARY
SHEET28
SHEET24,26,2
R3249 OPT
C3215 0.1 PS
R3248 OPT
C3253 OPT
X3202 OPT
SHEET28
CLK_DIFF
IC3206
SN74LVC1G125V-X
R3258 OPT
R3255 47
R3256 47
C3209 0.1 PS
C3210 0.1 PS
C3211 0.1 PS
R3222 K2
R3223 K2
R3224 K2
R3225 0
R3226 0
R3227 0
R3228 0
R3229 0
R3230 47
R3231 K2
R3232 K2
R3233 K2
R3234 K2



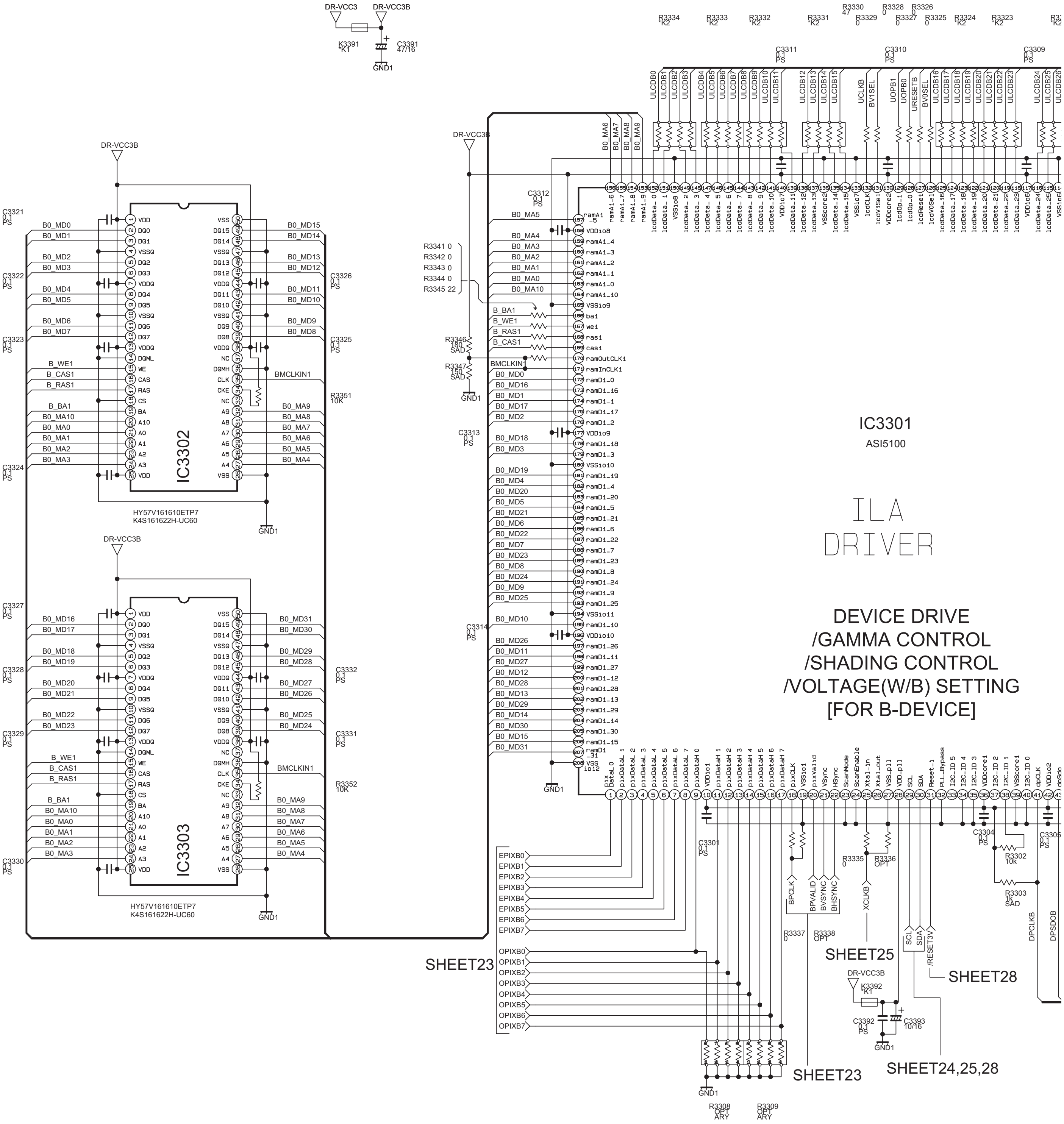
AVCC3
K3293 K1
C3296 0.1 PS
C3297 1000P
C3295 47/16
GND1
SHEET27
UGV1
GBDRSEL
GV1SEL
GV0SEL
ULCDG0
ULCDG1
ULCDG2
ULCDG3
ULCDG4
ULCDG5
ULCDG6
ULCDG7
ULCDG8
ULCDG9
ULCDG10
ULCDG11
ULCDG12
ULCDG13
ULCDG14
ULCDG15
UOPG1
UOPG0
UCLKG
URESETG
ULCDG16
ULCDG17
ULCDG18
ULCDG19
ULCDG20
ULCDG21
ULCDG22
ULCDG23
ULCDG24
ULCDG25
ULCDG26
ULCDG27
ULCDG28
ULCDG29
ULCDG30
ULCDG31
DPCSG
DPCLKG
DPSDOG
GITOSELA
GITOSELC
GITOSELB
GV1REF
GVITOR_B
GVITOREF
UGVITO
G D-ILA DEVICE
CN3003
QGF0401F1-80W
K3294 K1
C3298 0.1 PS
C3299 10/16
GAGND
DR-VCC3G
RAM
IC3204
HY57V161610ETP7
K4S161622H-UC60
IC3205
HY57V161610ETP7
K4S161622H-UC60
C3241 0.1 PS
C3242 0.1 PS
C3243 0.1 PS
C3244 0.1 PS
C3245 0.1 PS
C3246 0.1 PS
C3247 0.1 PS
C3248 0.1 PS
C3249 0.1 PS
C3250 0.1 PS
C3251 0.1 PS
C3252 0.1 PS
R3253 10K
R3254 10K
GMCLKIN0
G_WE0
G_CAS0
G_RAS0
G_BA0
G1_MA10
G1_MA0
G1_MA1
G1_MA2
G1_MA3
G1_MA4
G1_MA5
G1_MA6
G1_MA7
G1_MA8
G1_MA9
G1_MD0
G1_MD31
C3206 0.1 PS
C3207 0.1 PS
C3208 0.1 PS
R3207 180 SAD
R3206 150 SAD
R3211 22
R3212 0
R3213 0
R3214 0
R3215 0
R3216 0
R3222 K2
R3221 K2
R3219 0
R3218 0
R3217 0
GBDRSEL
TP3201
TP3202
R3204 4.7K
R3205 4.7K
DPCSG
26,28
XCLKR
SHEET24
XCLKB
SHEET26
OPT

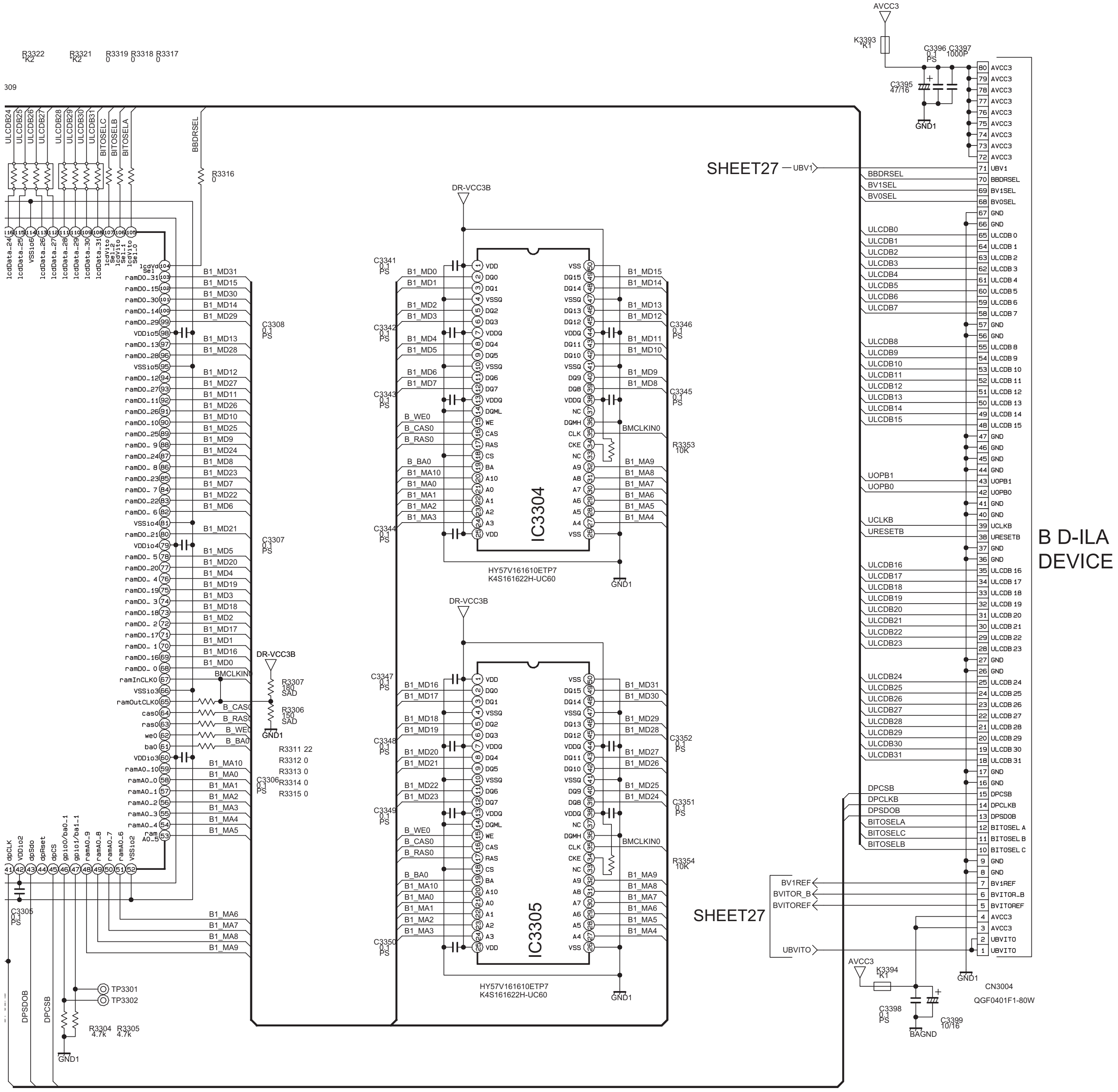
# DRIVE PWB ASS'Y (3/7)

## SRA-3005A-M2

c10437003_0208_3/7_0.0

# DRIVE PWB CIRCUIT DIAGRAM (4/7) [B_DRIVER] SHEET 26


DR-VCC3
DR-VCC3B
K3391
C3391 47/16
GND1
IC3302
HY57V161610ETP7
K4S161622H-UC60
IC3303
HY57V161610ETP7
K4S161622H-UC60
BMCLKIN1
R3351 10K
R3352 10K
C3321 0.1 PS
C3322 0.1 PS
C3323 0.1 PS
C3324 0.1 PS
C3325 0.1 PS
C3326 0.1 PS
C3327 0.1 PS
C3328 0.1 PS
C3329 0.1 PS
C3330 0.1 PS
C3331 0.1 PS
C3332 0.1 PS
C3312 0.1 PS
C3313 0.1 PS
C3314 0.1 PS
R3341 0
R3342 0
R3343 0
R3344 0
R3345 22
R3346 180 SAD
R3347 150 SAD
IC3301
ASI5100
ILA
DRIVER
DEVICE DRIVE
/GAMMA CONTROL
/SHADING CONTROL
/VOLTAGE(W/B) SETTING
[FOR B-DEVICE]
EPIXB0
EPIXB1
EPIXB2
EPIXB3
EPIXB4
EPIXB5
EPIXB6
EPIXB7
OPIXB0
OPIXB1
OPIXB2
OPIXB3
OPIXB4
OPIXB5
OPIXB6
OPIXB7
SHEET23
SHEET23
SHEET25
SHEET28
SHEET24,25,28
BPCLK
BPVALID
BVSYNC
BHSYNC
XCLKB
SCL
SDA
/RESET3V
DPCLKB
DPSDOB
C3301 0.1 PS
C3304 0.1 PS
C3305 0.1 PS
R3335 0
R3336 OPT
R3337 0
R3338 OPT
R3302 10k
R3303 1k SAD
K3392
C3392 0.1 PS
C3393 10/16
R3308 OPT ARY
R3309 OPT ARY
C3309 0.1 PS
C3310 0.1 PS
C3311 0.1 PS
R3334 K2
R3333 K2
R3332 K2
R3331 K2
R3330 47
R3329 0
R3328 0
R3327 0
R3326 0
R3325 0
R3324 K2
R3323 K2



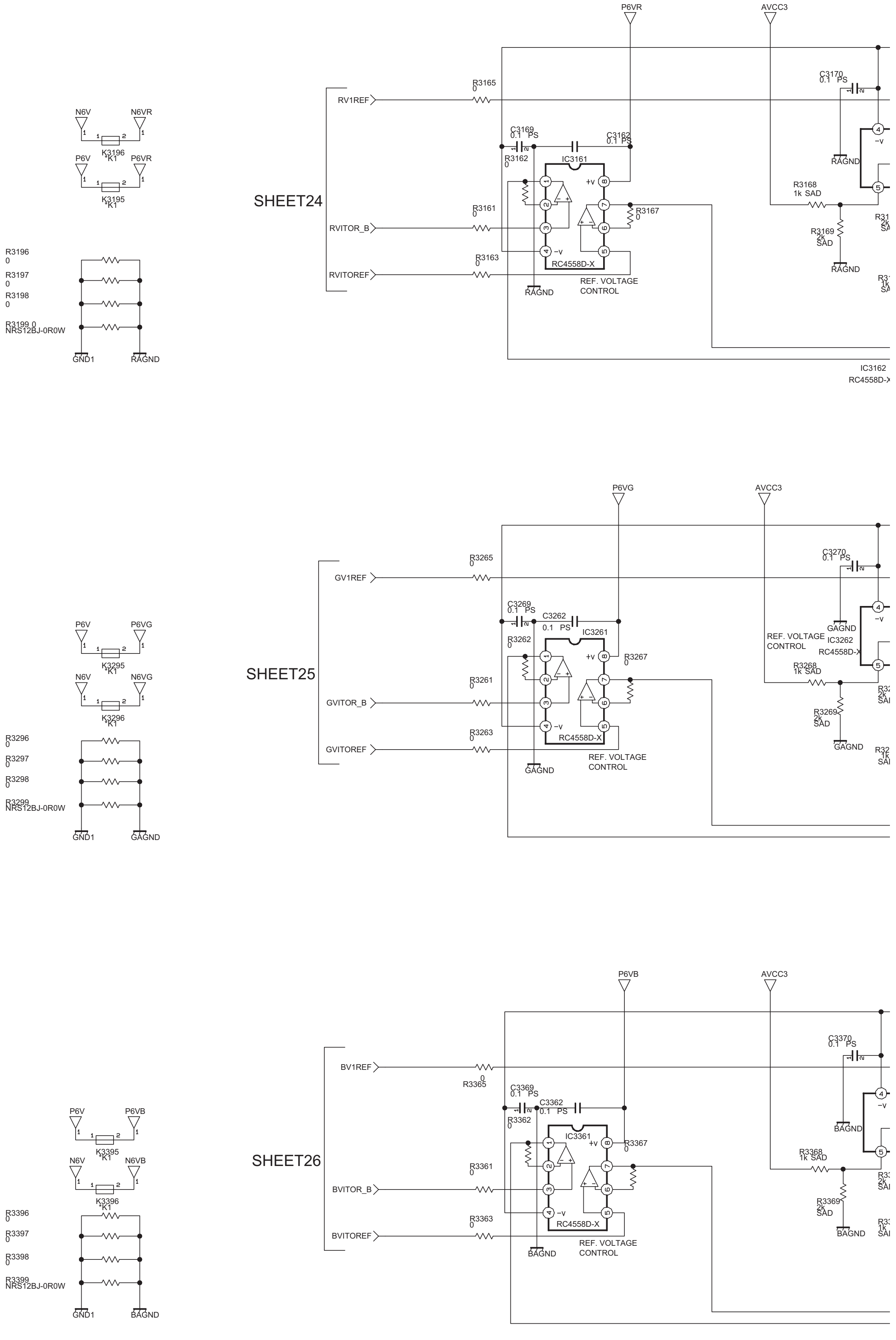
AVCC3
K3393
C3396
C3397
1000P
C3395
47/16
GND1
SHEET27
UBV1
BBDRSEL
BV1SEL
BV0SEL
DR-VCC3B
IC3304
IC3305
HY57V161610ETP7
K4S161622H-UC60
R3353
10K
R3354
10K
BMCLKIN0
R3307
R3306
R3311 22
R3312 0
R3313 0
R3314 0
R3315 0
R3316
R3322
R3321
R3319
R3318
R3317
C3305
C3306
C3307
C3308
C3341
C3342
C3343
C3344
C3345
C3346
C3347
C3348
C3349
C3350
C3351
C3352
TP3301
TP3302
R3304
4.7k
R3305
4.7k
B D-ILA DEVICE
BV1REF
BVITOR_B
BVITOREF
UBVITO
K3394
C3398
C3399
10/16
BAGND
CN3004
QGF0401F1-80W
DPSDOB
DPCSB

# DRIVE PWB ASS'Y (4/7)

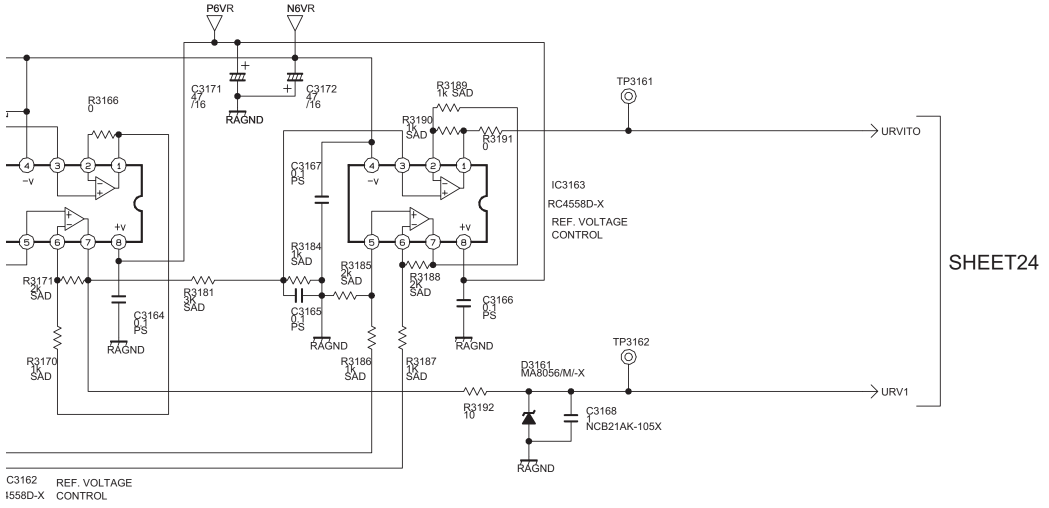
## SRA-3005A-M2

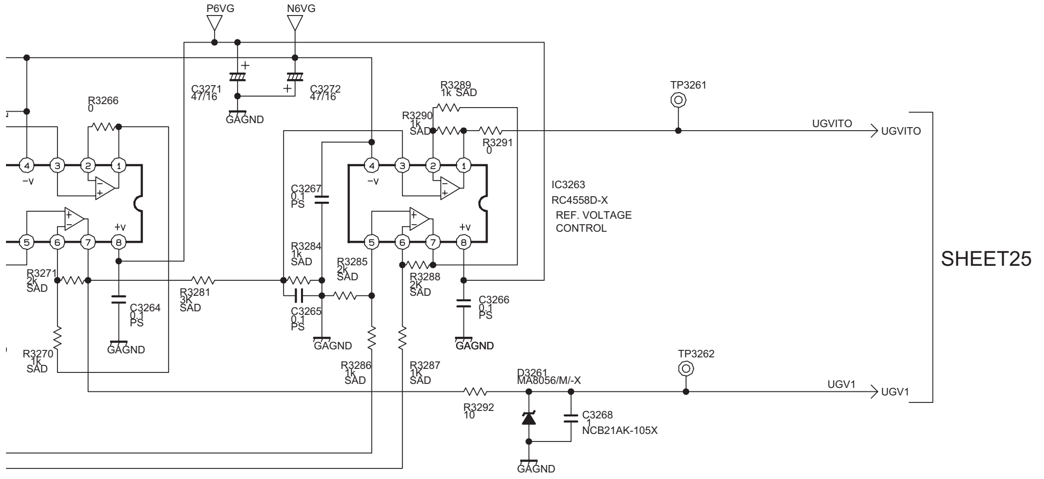
c10437004_0208_4/7_0.0

# DRIVE PWB CIRCUIT DIAGRAM (5/7) [ANALOG_DRIVER] SHEET 27



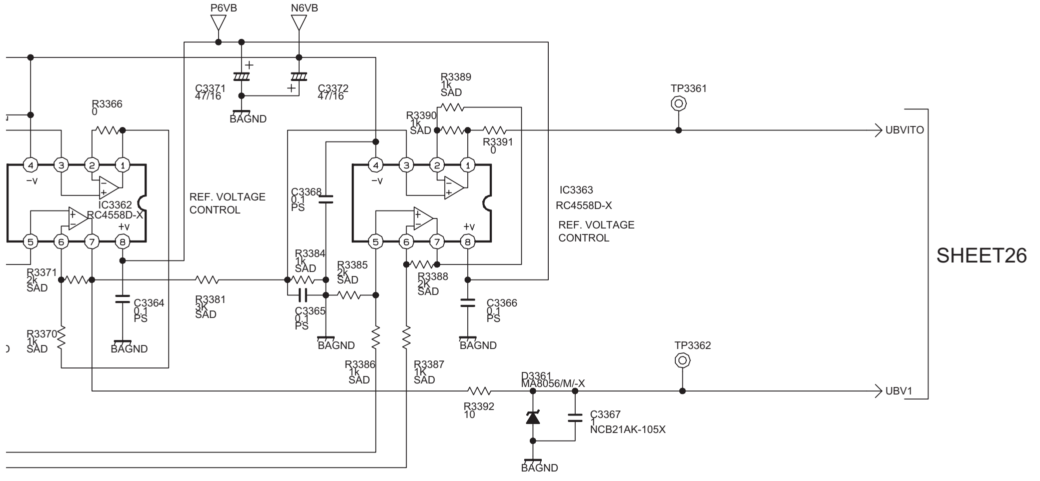
P6VR
AVCC3
C3170
0.1 PS
RV1REF
R3165
0
N6V
N6VR
K3196
K1
P6V
P6VR
K3195
K1
C3169
0.1 PS
C3162
0.1 PS
R3162
0
IC3161
+v
-v
SHEET24
R3161
0
R3167
0
RVITOR_B
R3163
0
RVITOREF
RC4558D-X
RAGND
REF. VOLTAGE
CONTROL
R3168
1k SAD
R3169
2k
SAD
RAGND
R3196
0
R3197
0
R3198
0
R3199 0
NRS12BJ-0R0W
GND1
RAGND
IC3162
P6VG
AVCC3
C3270
0.1 PS
GV1REF
R3265
0
P6V
P6VG
K3295
K1
N6V
N6VG
K3296
K1
C3269
0.1 PS
C3262
0.1 PS
R3262
0
IC3261
R3267
0
REF. VOLTAGE
CONTROL
IC3262
RC4558D-X
GAGND
SHEET25
R3261
0
GVITOR_B
R3263
0
GVITOREF
RC4558D-X
GAGND
REF. VOLTAGE
CONTROL
R3268
1k SAD
R3269
2k
SAD
GAGND
R3296
0
R3297
0
R3298
0
R3299
NRS12BJ-0R0W
GND1
GAGND
P6VB
AVCC3
C3370
0.1 PS
BV1REF
0
R3365
C3369
0.1 PS
C3362
0.1 PS
R3362
0
IC3361
R3367
0
P6V
P6VB
K3395
K1
N6V
N6VB
K3396
K1
SHEET26
R3361
0
BVITOR_B
R3363
0
BVITOREF
RC4558D-X
BAGND
REF. VOLTAGE
CONTROL
R3368
1k SAD
R3369
2k
SAD
BAGND
BAGND
R3396
0
R3397
0
R3398
0
R3399
NRS12BJ-0R0W
GND1
BAGND


P6VR
N6VR
C3171
47
/16
C3172
47
/16
RAGND
R3166
0
R3189
1k SAD
R3190
1k
SAD
R3191
0
TP3161
URVITO
C3167
0.1
PS
IC3163
RC4558D-X
REF. VOLTAGE
CONTROL
−v
+v
R3184
1k
SAD
R3185
2K
SAD
R3188
2K
SAD
R3171
2K
SAD
R3181
3K
SAD
C3164
0.1
PS
C3165
0.1
PS
C3166
0.1
PS
RAGND
SHEET24
R3170
1K
SAD
R3186
1K
SAD
R3187
1K
SAD
TP3162
D3161
MA8056/M/-X
URV1
R3192
10
C3168
1
NCB21AK-105X
RAGND
C3162
4558D-X
REF. VOLTAGE
CONTROL


P6VG
N6VG
C3271
47/16
C3272
47/16
GAGND
R3266
0
R3289
1k SAD
R3290
1k
SAD
R3291
0
TP3261
UGVITO
UGVITO
C3267
0.1
PS
IC3263
RC4558D-X
REF. VOLTAGE
CONTROL
−v
+v
R3284
1k
SAD
R3285
2K
SAD
R3288
2K
SAD
R3271
2K
SAD
R3281
3K
SAD
C3264
0.1
PS
C3265
0.1
PS
C3266
0.1
PS
GAGND
SHEET25
R3270
1K
SAD
R3286
1K
SAD
R3287
1K
SAD
TP3262
D3261
MA8056/M/-X
UGV1
UGV1
R3292
10
C3268
1
NCB21AK-105X
GAGND

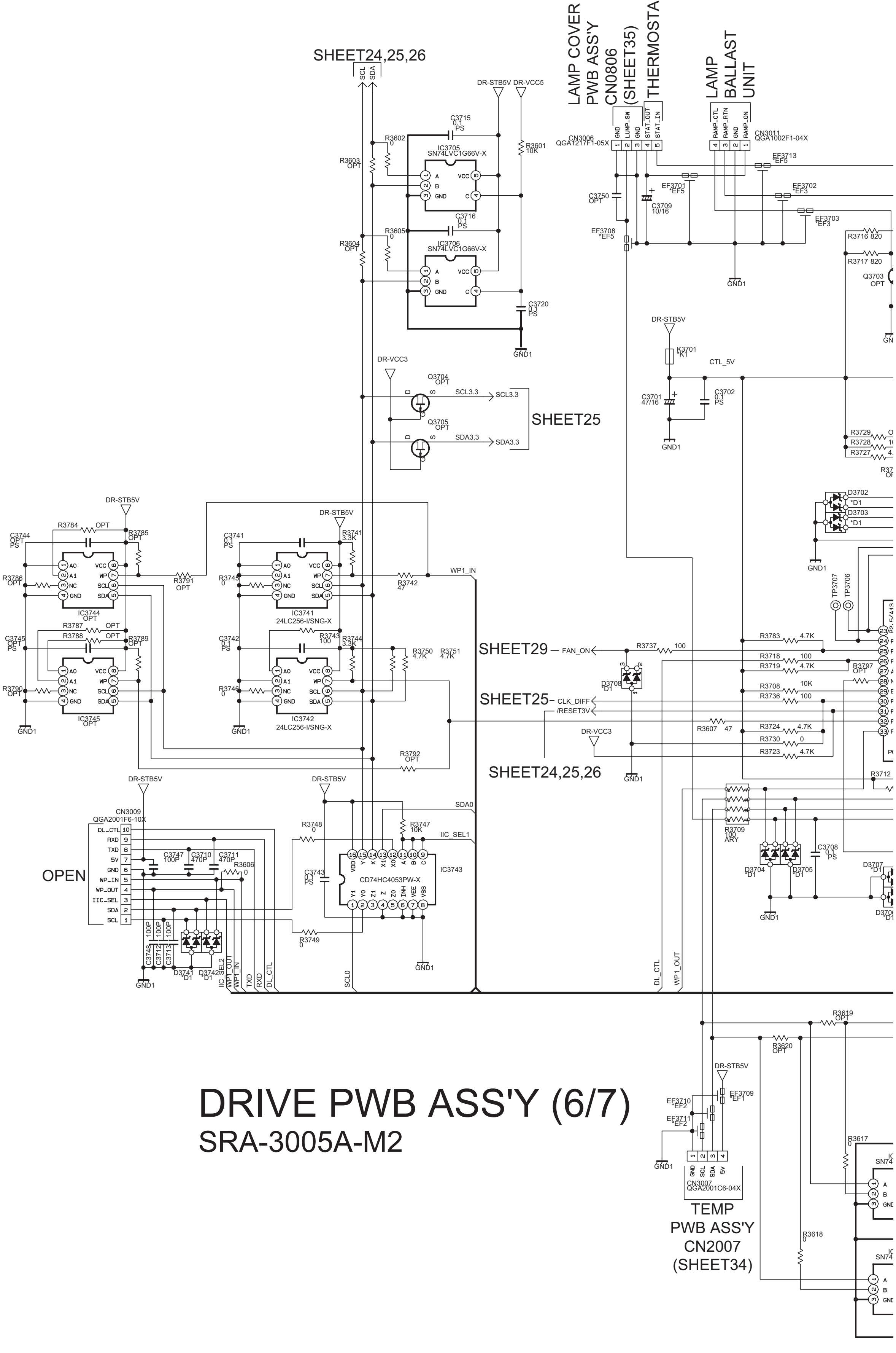
# DRIVE PWB ASS'Y (5/7)

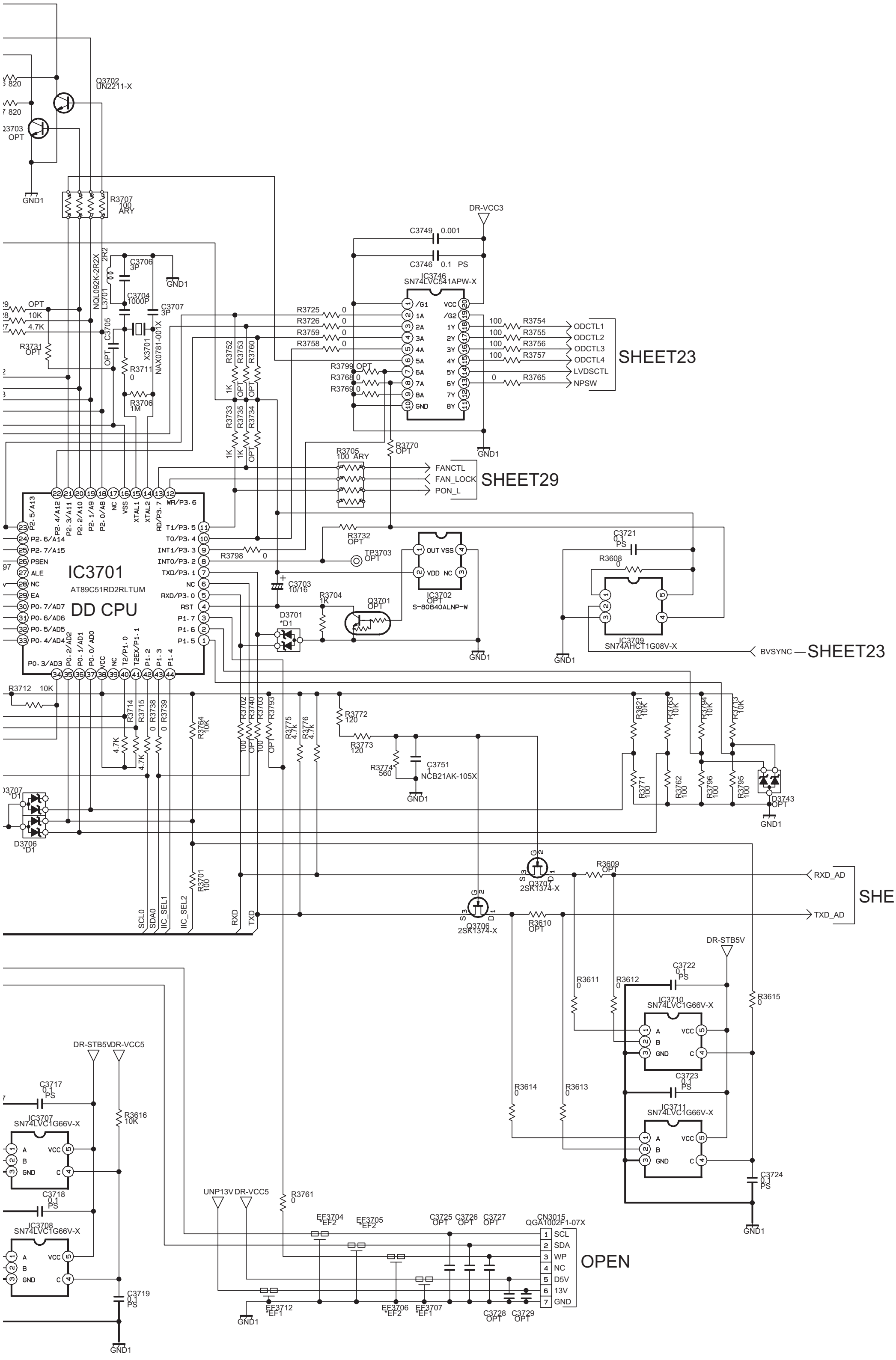
## SRA-3005A-M2


P6VB
N6VB
C3371
47/16
C3372
47/16
BAGND
R3366
0
R3389
1k
SAD
R3390
1k
SAD
R3391
0
TP3361
UBVITO
IC3362
RC4558D-X
REF. VOLTAGE
CONTROL
C3368
0.1
PS
IC3363
RC4558D-X
REF. VOLTAGE
CONTROL
−v
+v
R3384
1k
SAD
R3385
2K
SAD
R3388
2K
SAD
R3371
2K
SAD
R3381
3K
SAD
C3364
0.1
PS
C3365
0.1
PS
C3366
0.1
PS
BAGND
SHEET26
R3370
1K
SAD
R3386
1K
SAD
R3387
1K
SAD
TP3362
D3361
MA8056/M/-X
UBV1
R3392
10
C3367
1
NCB21AK-105X
BAGND

c10437005_0208_5/7_0.0

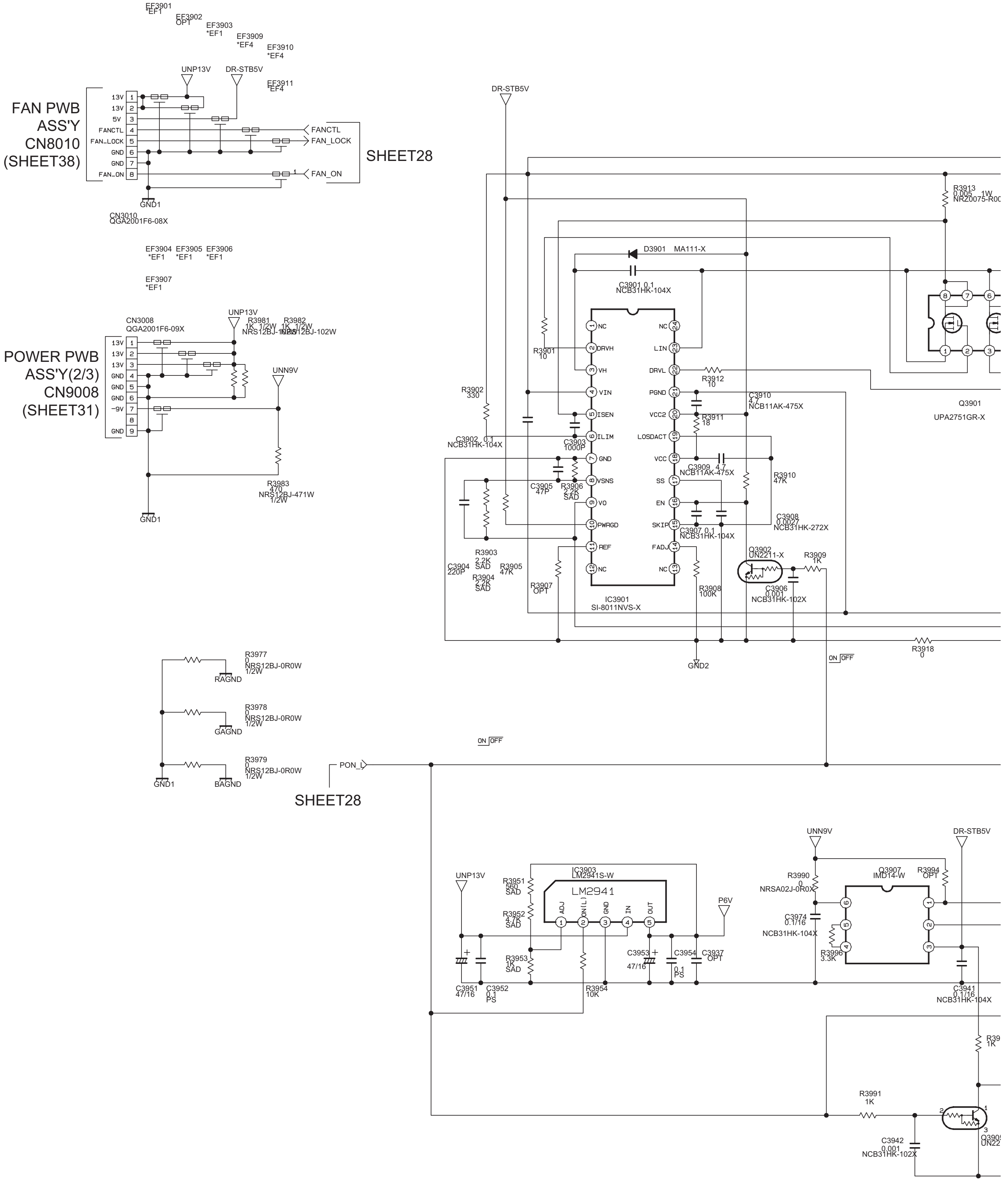
## DRIVE PWB CIRCUIT DIAGRAM (6/7) [CONTROLLER] SHEET 28


SHEET24,25,26
SCL
SDA
LAMP COVER PWB ASS'Y CN0806 (SHEET35)
THERMOSTAT
LAMP BALLAST UNIT
CN3006 QGA1217F1-05X
CN3011 QGA1002F1-04X
DR-STB5V
DR-VCC5
IC3705 SN74LVC1G66V-X
IC3706 SN74LVC1G66V-X
GND1
DR-VCC3
Q3704 OPT
Q3705 OPT
SCL3.3
SDA3.3
SHEET25
CTL_5V
IC3744 OPT
IC3745 OPT
IC3741 24LC256-I/SNG-X
IC3742 24LC256-I/SNG-X
WP1_IN
SHEET29
FAN_ON
SHEET25
CLK_DIFF
/RESET3V
SHEET24,25,26
CN3009 QGA2001F6-10X
OPEN
IC3743 CD74HC4053PW-X
SDA0
IIC_SEL1
SCL0
DL_CTL
WP1_OUT
DRIVE PWB ASS'Y (6/7)
SRA-3005A-M2
CN3007 QGA2001C6-04X
TEMP PWB ASS'Y CN2007 (SHEET34)


Q3702
UN2211-X
Q3703
OPT
GND1
R3707
100
ARY
DR-VCC3
C3749 0.001
C3746 0.1 PS
IC3746
SN74LVC541APW-X
R3725 0
R3726 0
R3759 0
R3758 0
R3799 OPT
R3768 0
R3769 0
R3754 100
R3755 100
R3756 100
R3757 100
R3765 0
ODCTL1
ODCTL2
ODCTL3
ODCTL4
LVDSCTL
NPSW
SHEET23
C3706 3P
C3704 1000P
C3707 3P
NQL092K-2R2X
L3701 2R2
C3705 OPT
R3731 OPT
R3711 0
R3706 1M
X3701
NAX0781-001X
R3752 1K
R3753 OPT
R3760 OPT
R3733 1K
R3735 1K
R3734 OPT
R3705 100 ARY
R3770 OPT
FANCTL
FAN_LOCK
PON_L
SHEET29
IC3701
AT89C51RD2RLTUM
DD CPU
R3732 OPT
R3798 0
TP3703 OPT
C3703 10/16
IC3702 OPT
S-80840ALNP-W
R3704 1K
Q3701 OPT
D3701 *D1
C3721 0.1 PS
R3608 0
IC3709
SN74AHCT1G08V-X
BVSYNC
SHEET23
R3712 10K
R3714 4.7K
R3715 4.7K
R3738 0
R3739 0
R3784 10K
R3702 100
R3740 OPT
R3703 100
R3793 OPT
R3775 4.7K
R3776 4.7K
R3772 120
R3773 120
R3774 560
C3751 1
NCB21AK-105X
R3621 10K
R3763 10K
R3794 10K
R3793 10K
R3771 100
R3762 100
R3796 100
R3795 100
D3743 OPT
D3707 *D1
D3706 *D1
Q3707
2SK1374-X
R3609 OPT
RXD_AD
Q3706
2SK1374-X
R3610 OPT
TXD_AD
SHEET23
R3701 100
SCL0
SDA0
IIC_SEL1
IIC_SEL2
RXD
TXD
DR-STB5V
C3722 0.1 PS
R3611 0
R3612 0
IC3710
SN74LVC1G66V-X
R3615 0
R3614
R3613 0
C3723 0.1 PS
IC3711
SN74LVC1G66V-X
C3724 0.1 PS
DR-STB5V DR-VCC5
C3717 0.1 PS
R3616 10K
IC3707
SN74LVC1G66V-X
C3718 0.1 PS
IC3708
SN74LVC1G66V-X
C3719 0.1 PS
UNP13V DR-VCC5
R3761 0
EF3704 *EF2
EF3705 *EF2
C3725 OPT
C3726 OPT
C3727 OPT
CN3015
QGA1002F1-07X
1 SCL
2 SDA
3 WP
4 NC
5 D5V
6 13V
7 GND
OPEN
EF3712 *EF1
EF3706 *EF2
EF3707 *EF1
C3728 OPT
C3729 OPT
GND1

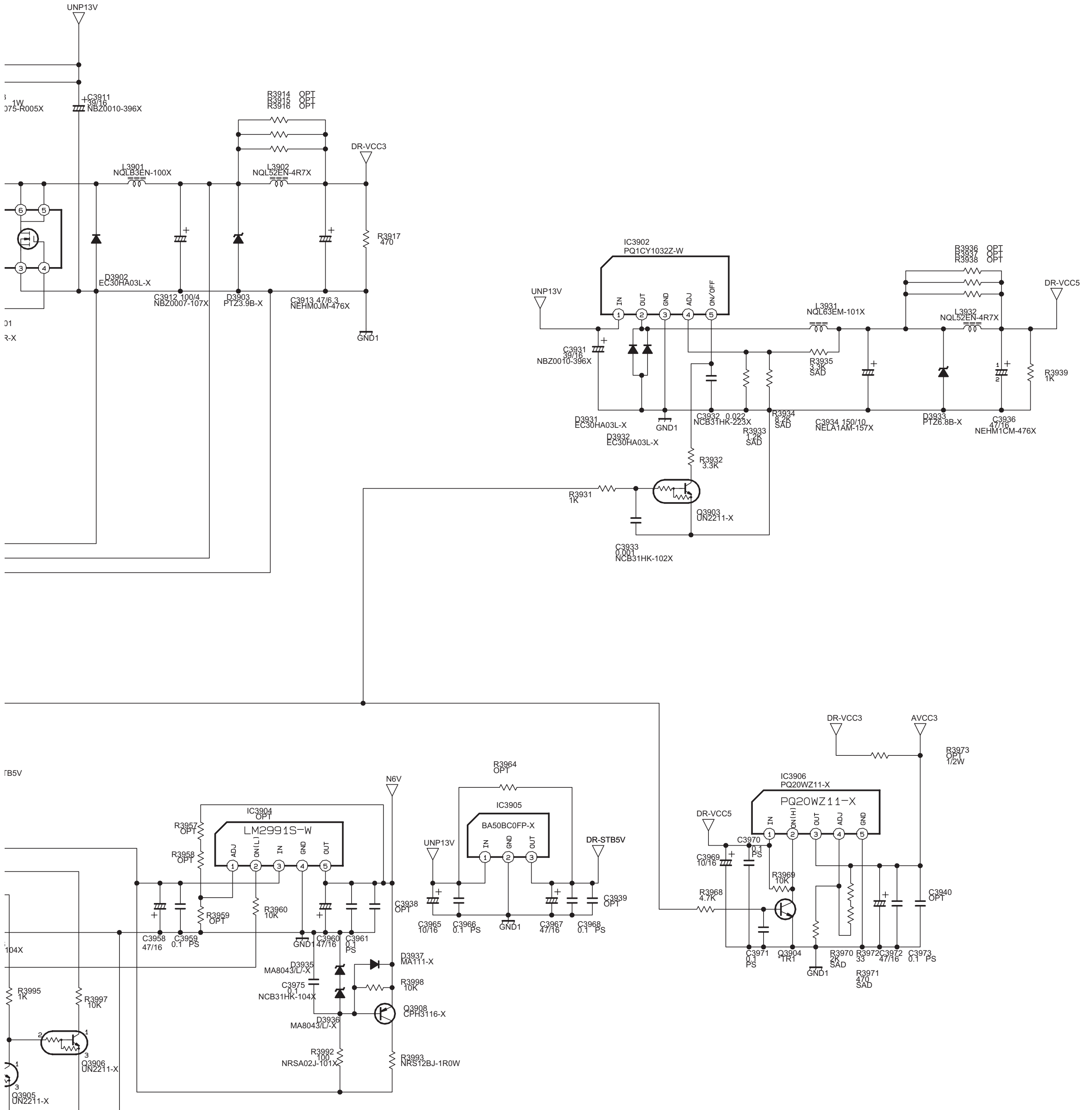
c10437006_0208_6/7_0.0

# DRIVE PWB CIRCUIT DIAGRAM (7/7) [POWER_REGULATOR] SHEET 29


EF3901
*EF1
EF3902
OPT
EF3903
*EF1
EF3909
*EF4
EF3910
*EF4
EF3911
*EF4
UNP13V
DR-STB5V
FAN PWB
ASS'Y
CN8010
(SHEET38)
13V 1
13V 2
5V 3
FANCTL 4
FAN_LOCK 5
GND 6
GND 7
FAN_ON 8
FANCTL
FAN_LOCK
FAN_ON
SHEET28
GND1
CN3010
QGA2001F6-08X
EF3904 *EF1
EF3905 *EF1
EF3906 *EF1
EF3907 *EF1
CN3008
QGA2001F6-09X
UNP13V
R3981
1K 1/2W
NRS12BJ-102W
R3982
1K 1/2W
NRS12BJ-102W
POWER PWB
ASS'Y(2/3)
CN9008
(SHEET31)
13V 1
13V 2
13V 3
GND 4
GND 5
GND 6
-9V 7
8
GND 9
UNN9V
R3983
470
NRS12BJ-471W
1/2W
GND1
DR-STB5V
D3901 MA111-X
C3901 0.1
NCB31HK-104X
R3901
10
R3902
330
C3902 0.1
NCB31HK-104X
C3903
1000P
C3905
47P
R3906
2.2K
SAD
R3903
2.2K
SAD
C3904
220P
R3904
2.2K
SAD
R3905
47K
R3907
OPT
1 NC
2 DRVH
3 VH
4 VIN
5 ISEN
6 ILIM
7 GND
8 VSNS
9 VO
10 PWRGD
11 REF
12 NC
NC 24
LIN 23
DRVL 22
PGND 21
VCC2 20
LOSDACT 19
VCC 18
SS 17
EN 16
SKIP 15
FADJ 14
NC 13
IC3901
SI-8011NVS-X
R3912
10
C3910
4.7
NCB11AK-475X
R3911
18
C3909 4.7
NCB11AK-475X
R3910
47K
C3907 0.1
NCB31HK-104X
C3908
0.0027
NCB31HK-272X
R3908
100K
Q3902
UN2211-X
R3909
1K
C3906
0.001
NCB31HK-102X
GND2
R3913
0.005 1W
NRZ0075-R00
Q3901
UPA2751GR-X
8 7 6
1 2 3
R3918
0
ON OFF
R3977
0
NRS12BJ-0R0W
1/2W
RAGND
R3978
0
NRS12BJ-0R0W
1/2W
GAGND
R3979
0
NRS12BJ-0R0W
1/2W
GND1
BAGND
PON_L
SHEET28
ON OFF
UNP13V
IC3903
LM2941S-W
LM2941
ADJ 1
ON(L) 2
GND 3
IN 4
OUT 5
R3951
560
SAD
R3952
4.7K
SAD
R3953
1K
SAD
C3951
47/16
C3952
0.1
PS
R3954
10K
P6V
C3953
47/16
C3954
0.1
PS
C3937
OPT
UNN9V
R3990
0
NRSA02J-0R0X
C3974
0.1/16
NCB31HK-104X
R3996
3.3K
Q3907
IMD14-W
R3994
OPT
DR-STB5V
C3941
0.1/16
NCB31HK-104X
R39
1K
R3991
1K
C3942
0.001
NCB31HK-102X
Q390
UN22

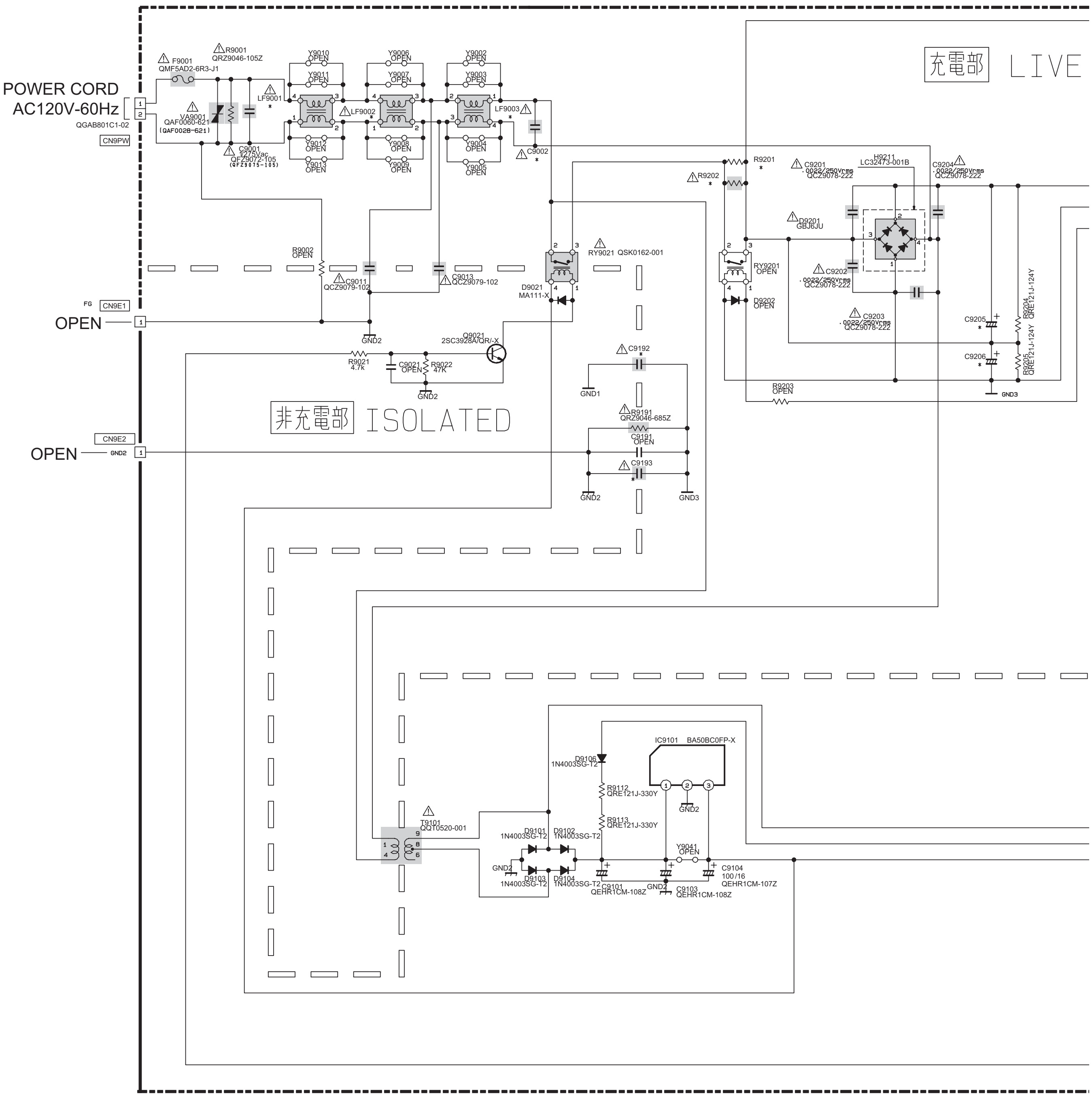
# DRIVE PWB ASS'Y (7/7)

## SRA-3005A-M2


UNP13V
C3911 39/16 NBZ0010-396X
1W
075-R005X
R3914 OPT
R3915 OPT
R3916 OPT
DR-VCC3
L3901 NQLB3EN-100X
L3902 NQL52EN-4R7X
R3917 470
D3902 EC30HA03L-X
C3912 100/4 NBZ0007-107X
D3903 PTZ3.9B-X
C3913 47/6.3 NEHM0JM-476X
GND1
IC3902 PQ1CY1032Z-W
IN
OUT
GND
ADJ
ON/OFF
UNP13V
C3931 39/16 NBZ0010-396X
D3931 EC30HA03L-X
D3932 EC30HA03L-X
GND1
C3932 0.022 NCB31HK-223X
R3933 1.2K SAD
R3934 8.2K SAD
L3931 NQL63EM-101X
R3935 3.3K SAD
C3934 150/10 NELA1AM-157X
R3936 OPT
R3937 OPT
R3938 OPT
L3932 NQL52EN-4R7X
D3933 PTZ6.8B-X
C3936 47/16 NEHM1CM-476X
R3939 1K
DR-VCC5
R3932 3.3K
R3931 1K
Q3903 UN2211-X
C3933 0.001 NCB31HK-102X
TB5V
R3957 OPT
R3958 OPT
IC3904 OPT
LM2991S-W
ADJ
ON(L)
IN
GND
OUT
N6V
R3959 OPT
R3960 10K
C3958 47/16
C3959 0.1 PS
GND1
C3960 47/16
C3961 0.1 PS
C3938 OPT
104X
R3995 1K
R3997 10K
Q3906 UN2211-X
Q3905 UN2211-X
D3935 MA8043/L/-X
C3975 0.1 NCB31HK-104X
D3936 MA8043/L/-X
D3937 MA111-X
R3998 10K
Q3908 CPH3116-X
R3992 100 NRSA02J-101X
R3993 NRS12BJ-1R0W
R3964 OPT
IC3905
BA50BC0FP-X
UNP13V
DR-STB5V
C3965 10/16
C3966 0.1 PS
GND1
C3967 47/16
C3968 0.1 PS
C3939 OPT
DR-VCC3
AVCC3
R3973 OPT 1/2W
IC3906 PQ20WZ11-X
PQ20WZ11-X
ON(H)
DR-VCC5
C3970 0.1 PS
C3969 10/16
R3969 10K
R3968 4.7K
C3971 0.1 PS
Q3904 TR1
GND1
R3970 2K SAD
R3971 470 SAD
R3972 33
C3972 47/16
C3973 0.1 PS
C3940 OPT

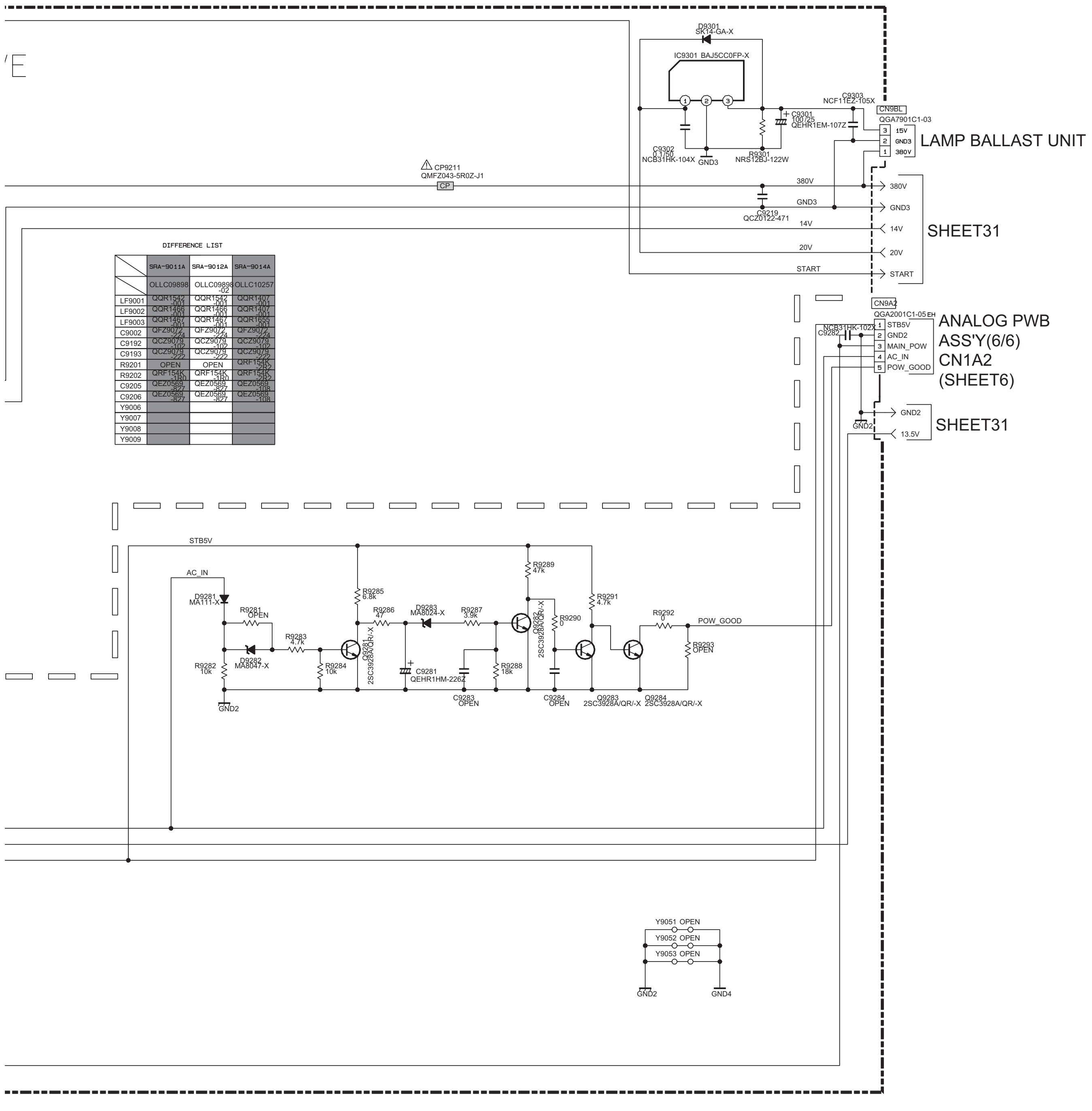
c10437007_0208_7/7_0.0

## *POWER PWB CIRCUIT DIAGRAM (1/3) SHEET 30*


POWER CORD
AC120V-60Hz
QGAB801C1-02
CN9PW
F9001
QMF5AD2-6R3-J1
R9001
QRZ9046-105Z
VA9001
QAF0060-621
(QAF0028-621)
C9001
1/275Vac
QFZ9072-105
(QFZ9075-105)
LF9001
*
Y9010
OPEN
Y9011
OPEN
Y9012
OPEN
Y9013
OPEN
LF9002
*
Y9006
OPEN
Y9007
OPEN
Y9008
OPEN
Y9009
OPEN
Y9002
OPEN
Y9003
OPEN
LF9003
*
Y9004
OPEN
Y9005
OPEN
C9002
*
R9002
OPEN
C9011
QCZ9079-102
C9013
QCZ9079-102
FG
CN9E1
OPEN
GND2
RY9021 QSK0162-001
D9021
MA111-X
Q9021
2SC3928A/QR/-X
R9021
4.7k
C9021
OPEN
R9022
47K
GND2
非充電部 ISOLATED
CN9E2
OPEN
GND2
C9192
*
GND1
R9191
QRZ9046-685Z
C9191
OPEN
C9193
*
GND2
GND3
充電部 LIVE
R9201
*
R9202
*
RY9201
OPEN
D9202
OPEN
D9201
GBJ6JU
C9201
.0022/250Vrms
QCZ9078-222
H9211
LC32473-001B
C9204
.0022/250Vrms
QCZ9078-222
C9202
.0022/250Vrms
QCZ9078-222
C9203
.0022/250Vrms
QCZ9078-222
C9205
*
C9206
*
R9204
QRE121J-124Y
R9205
QRE121J-124Y
GND3
R9203
OPEN
IC9101 BA50BC0FP-X
GND2
D9106
1N4003SG-T2
R9112
QRE121J-330Y
R9113
QRE121J-330Y
T9101
QQT0520-001
D9101
1N4003SG-T2
D9102
1N4003SG-T2
D9103
1N4003SG-T2
D9104
1N4003SG-T2
GND2
C9101
QEHR1CM-108Z
Y9041
OPEN
GND2
C9103
QEHR1CM-108Z
C9104
100/16
QEHR1CM-107Z

# POWER PWB ASS'Y (1/3)

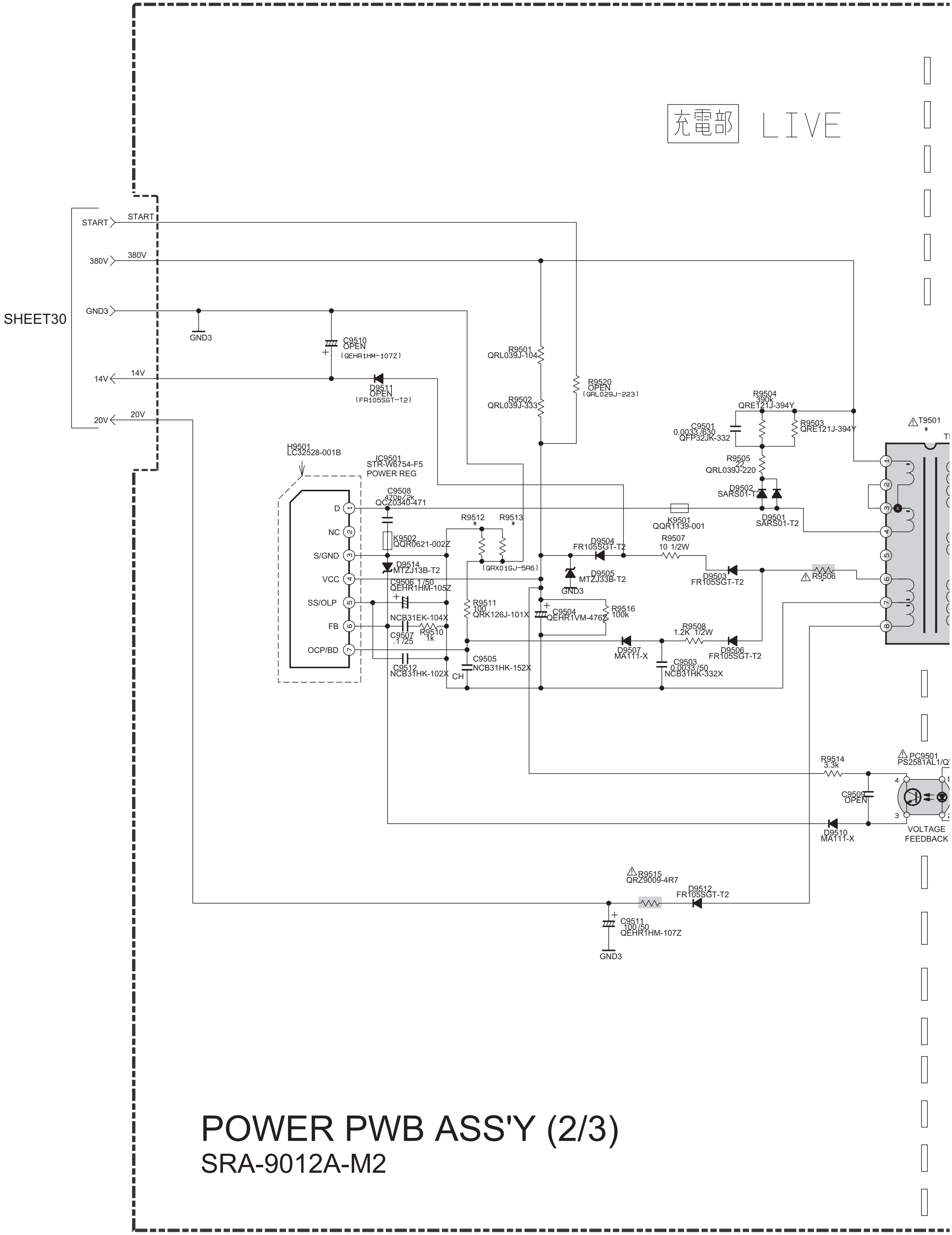
## SRA-9012A-M2


D9301
SK14-GA-X
IC9301 BAJ5CC0FP-X
1
2
3
C9303
NCF11EZ-105X
CN9BL
QGA7901C1-03
C9301
100/25
QEHR1EM-107Z
C9302
0.1/50
NCB31HK-104X
GND3
R9301
NRS12BJ-122W
3 15V
2 GND3
1 380V
LAMP BALLAST UNIT
CP9211
QMFZ043-5R0Z-J1
CP
380V
GND3
C9219
QCZ0122-471
14V
20V
START
380V
GND3
14V
20V
START
SHEET31
CN9A2
QGA2001C1-05 EH
NCB31HK-102X
C9282
1 STB5V
2 GND2
3 MAIN_POW
4 AC_IN
5 POW_GOOD
ANALOG PWB
ASS'Y(6/6)
CN1A2
(SHEET6)
GND2
13.5V
GND2
SHEET31
STB5V
AC_IN
D9281
MA111-X
R9281
OPEN
D9282
MA8047-X
R9282
10k
GND2
R9283
4.7k
R9284
10k
R9285
6.8k
Q9281
2SC3928A/QR/-X
R9286
47
C9281
QEHR1HM-226Z
D9283
MA8024-X
R9287
3.9k
C9283
OPEN
R9288
18k
R9289
47k
Q9282
2SC3928A/QR/-X
R9290
0
C9284
OPEN
R9291
4.7k
Q9283
2SC3928A/QR/-X
Q9284
2SC3928A/QR/-X
R9292
0
R9293
OPEN
POW_GOOD
Y9051 OPEN
Y9052 OPEN
Y9053 OPEN
GND2
GND4

DIFFERENCE LIST

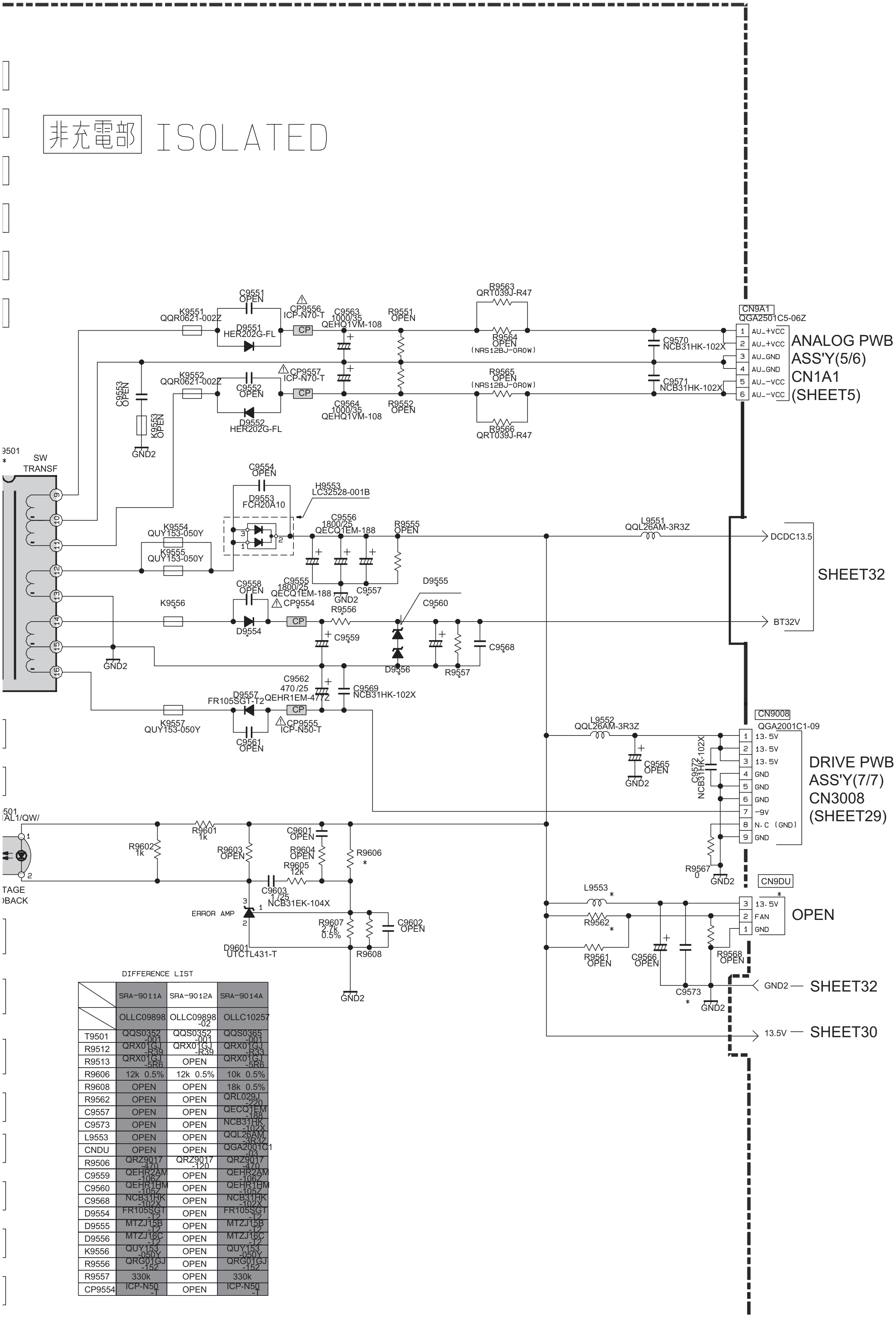
| | SRA-9011A | SRA-9012A | SRA-9014A |
|---|---|---|---|
| | OLLC09898 | OLLC09898<br>-02 | OLLC10257 |
| LF9001 | QQR1542<br>-001 | QQR1542<br>-001 | QQR1407<br>-001 |
| LF9002 | QQR1466<br>-001 | QQR1466<br>-001 | QQR1407<br>-001 |
| LF9003 | QQR1467<br>-001 | QQR1467<br>-001 | QQR1655<br>-001 |
| C9002 | QFZ9072<br>-224 | QFZ9072<br>-224 | QFZ9072<br>-224 |
| C9192 | QCZ9079<br>-102 | QCZ9079<br>-102 | QCZ9079<br>-102 |
| C9193 | QCZ9079<br>-222 | QCZ9079<br>-222 | QCZ9079<br>-222 |
| R9201 | OPEN | OPEN | QRF154K<br>-2R2 |
| R9202 | QRF154K<br>-1R0 | QRF154K<br>-1R0 | QRF154K<br>-2R2 |
| C9205 | QEZ0569<br>-827 | QEZ0569<br>-827 | QEZ0569<br>-108 |
| C9206 | QEZ0569<br>-827 | QEZ0569<br>-827 | QEZ0569<br>-108 |
| Y9006 | | | |
| Y9007 | | | |
| Y9008 | | | |
| Y9009 | | | |

# POWER PWB CIRCUIT DIAGRAM (2/3) SHEET 31


充電部 LIVE
SHEET30
START
380V
GND3
14V
20V
H9501
LC32528-001B
IC9501
STR-W6754-F5
POWER REG
D
NC
S/GND
VCC
SS/OLP
FB
OCP/BD
C9510
OPEN
(QEHR1HM-107Z)
D9511
OPEN
(FR105SGT-T2)
R9501
QRL039J-104
R9502
QRL039J-333
R9520
OPEN
(QRL029J-223)
C9508
470p/2k
QCZ0340-471
K9502
QQR0621-002Z
D9514
MTZJ13B-T2
C9506 1/50
QEHR1HM-105Z
NCB31EK-104X
C9507
.1 /25
R9510
1k
C9512
NCB31HK-102X
R9512
R9513
(QRX01GJ-5R6)
R9511
100
QRK126J-101X
C9505
NCB31HK-152X
CH
D9504
FR105SGT-T2
D9505
MTZJ33B-T2
C9504
QEHR1VM-476Z
R9516
100k
K9501
QQR1139-001
R9507
10 1/2W
R9508
1.2K 1/2W
D9507
MA111-X
C9503
0.0033 /50
NCB31HK-332X
D9506
FR105SGT-T2
D9503
FR105SGT-T2
R9506
R9504
390k
QRE121J-394Y
R9503
QRE121J-394Y
C9501
0.0033 /630
QFP32JK-332
R9505
22
QRL039J-220
D9502
SARS01-T2
D9501
SARS01-T2
T9501
R9514
3.3k
C9509
OPEN
PC9501
PS2581AL1/Q
VOLTAGE
FEEDBACK
D9510
MA111-X
R9515
QRZ9009-4R7
D9512
FR105SGT-T2
C9511
100/50
QEHR1HM-107Z
1
2
3
4
5
6
7
8

POWER PWB ASS'Y (2/3)

SRA-9012A-M2

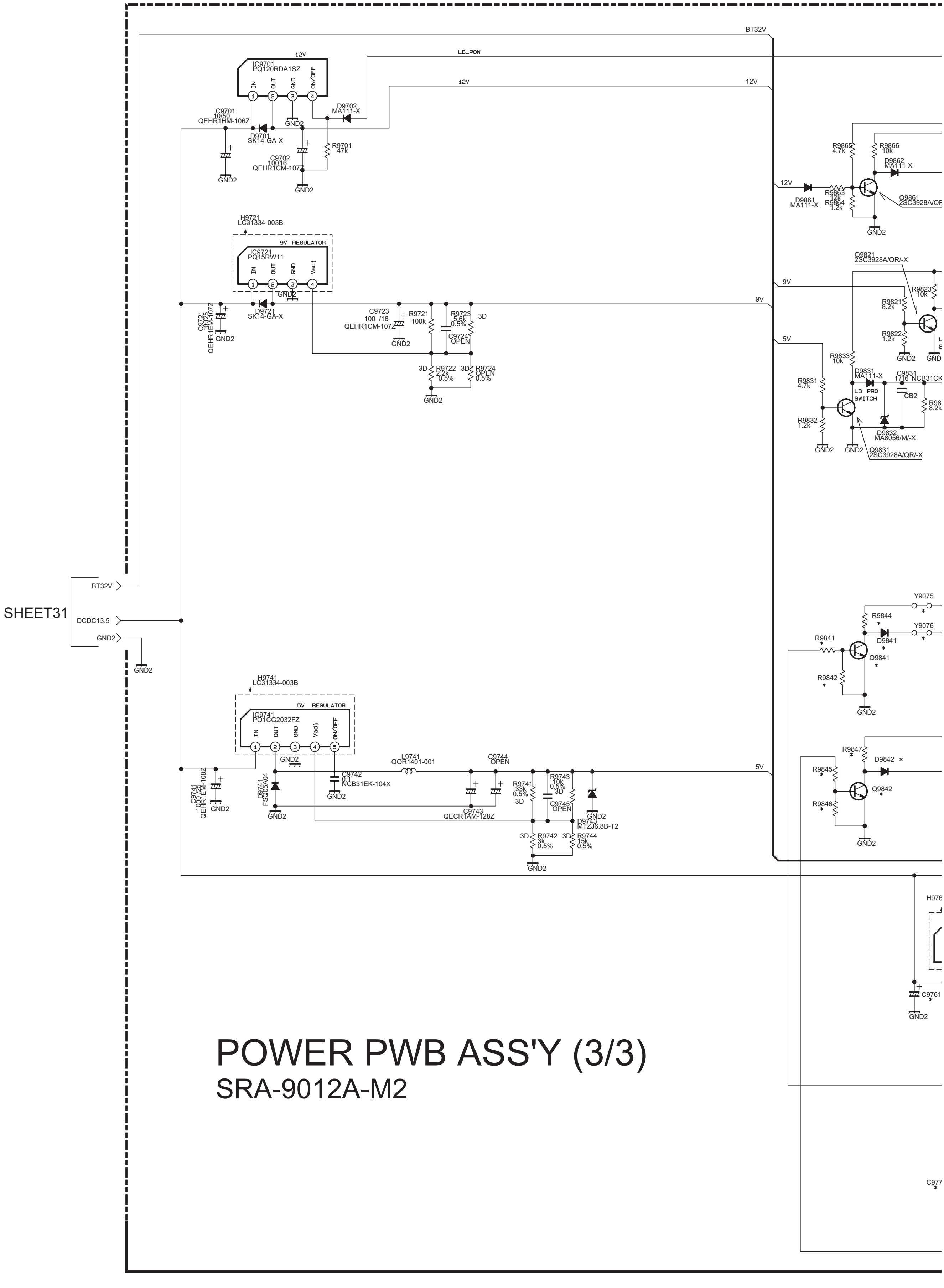

非充電部 ISOLATED
C9551 OPEN
K9551 QQR0621-002Z
D9551 HER202G-FL
CP9556 ICP-N70-T
C9563 1000/35 QEHQ1VM-108
R9551 OPEN
R9563 QRT039J-R47
R9564 OPEN (NRS12BJ-0R0W)
R9565 OPEN (NRS12BJ-0R0W)
R9566 QRT039J-R47
C9570 NCB31HK-102X
C9571 NCB31HK-102X
K9552 QQR0621-002Z
C9552 OPEN
CP9557 ICP-N70-T
D9552 HER202G-FL
C9564 1000/35 QEHQ1VM-108
R9552 OPEN
C9553 OPEN
K9553 OPEN
GND2
CN9A1 QGA2501C5-06Z
1 AU_+VCC
2 AU_+VCC
3 AU_GND
4 AU_GND
5 AU_-VCC
6 AU_-VCC
ANALOG PWB ASS'Y(5/6) CN1A1 (SHEET5)
SW TRANSF
C9554 OPEN
H9553 LC32528-001B
D9553 FCH20A10
K9554 QUY153-050Y
K9555 QUY153-050Y
C9556 1800/25 QECQ1EM-188
R9555 OPEN
L9551 QQL26AM-3R3Z
DCDC13.5
SHEET32
C9558 OPEN
C9555 1800/25 QECQ1EM-188
C9557
K9556
CP9554
D9554
R9556
C9559
D9555
C9560
D9556
R9557
C9568
BT32V
C9562 470/25 QEHR1EM-477Z
C9569 NCB31HK-102X
D9557 FR105SGT-T2
K9557 QUY153-050Y
CP9555 ICP-N50-T
C9561 OPEN
CN9008 QGA2001C1-09
L9552 QQL26AM-3R3Z
C9565 OPEN
C9572 NCB31HK-102X
1 13.5V
2 13.5V
3 13.5V
4 GND
5 GND
6 GND
7 -9V
8 N.C (GND)
9 GND
DRIVE PWB ASS'Y(7/7) CN3008 (SHEET29)
R9567 0
R9601 1k
R9602 1k
R9603 OPEN
C9601 OPEN
R9604 OPEN
R9605 12k
R9606
C9603 1/25 NCB31EK-104X
ERROR AMP
R9607 2.7k 0.5%
C9602 OPEN
D9601 UTCTL431-T
R9608
TAGE
BACK
L9553
R9562
R9561 OPEN
C9566 OPEN
C9573
R9568 OPEN
CN9DU
3 13.5V
2 FAN
1 GND
OPEN
GND2 SHEET32
13.5V SHEET30

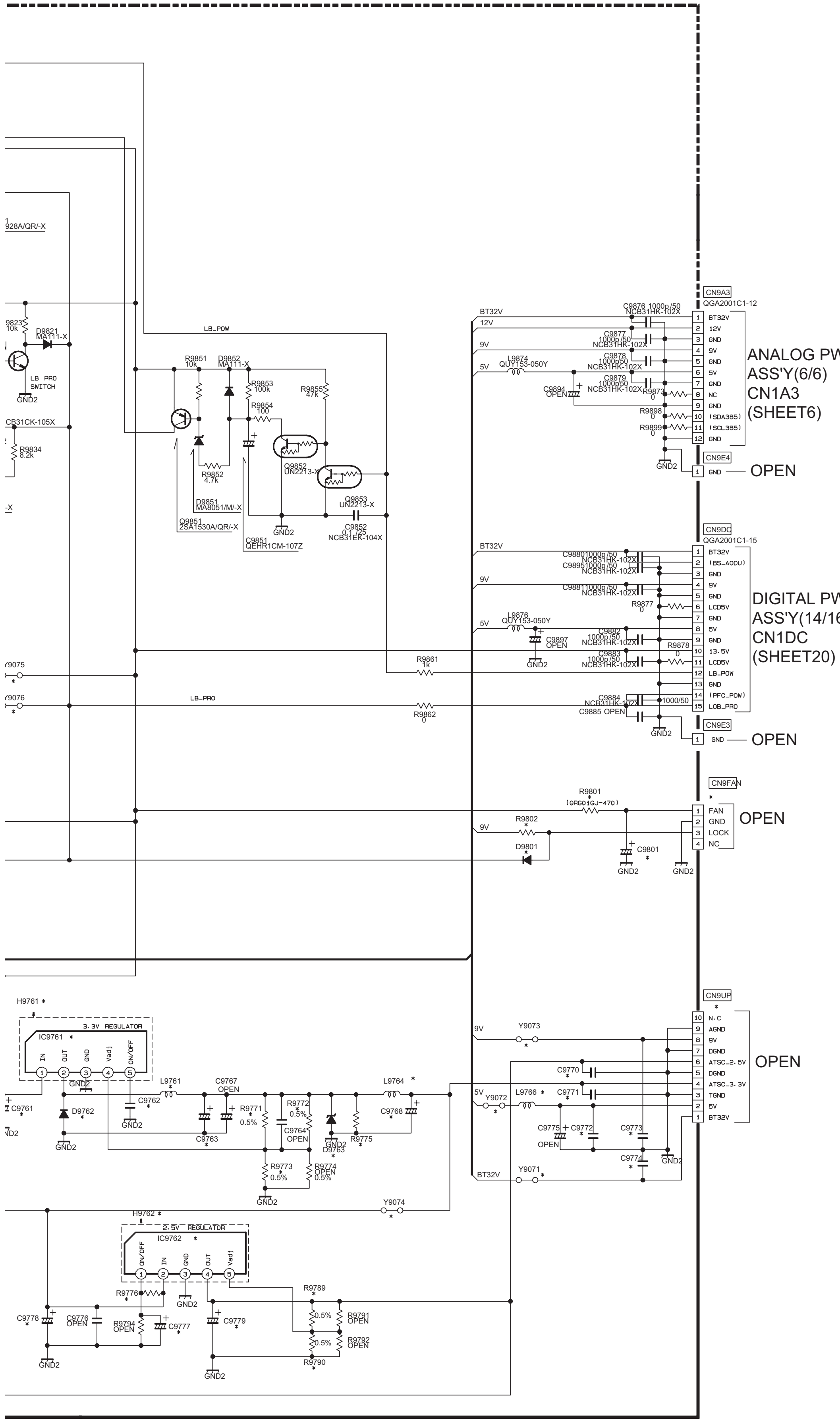
DIFFERENCE LIST

| | SRA-9011A | SRA-9012A | SRA-9014A |
|---|---|---|---|
| | OLLC09898 | OLLC09898 -02 | OLLC10257 |
| T9501 | QQS0352 -001 | QQS0352 -001 | QQS0365 -001 |
| R9512 | QRX01GJ -R39 | QRX01GJ -R39 | QRX01GJ -R33 |
| R9513 | QRX01GJ -5R6 | OPEN | QRX01GJ -5R6 |
| R9606 | 12k 0.5% | 12k 0.5% | 10k 0.5% |
| R9608 | OPEN | OPEN | 18k 0.5% |
| R9562 | OPEN | OPEN | QRL029J -220 |
| C9557 | OPEN | OPEN | QECQ1EM -188 |
| C9573 | OPEN | OPEN | NCB31HK -102X |
| L9553 | OPEN | OPEN | QQL26AM -3R3Z |
| CNDU | OPEN | OPEN | QGA2001C1 -03 |
| R9506 | QRZ9017 -470 | QRZ9017 -120 | QRZ9017 -470 |
| C9559 | QEHR2AM -106Z | OPEN | QEHR2AM -106Z |
| C9560 | QEHR1HM -105Z | OPEN | QEHR1HM -105Z |
| C9568 | NCB31HK -102X | OPEN | NCB31HK -102X |
| D9554 | FR105SGT -T2 | OPEN | FR105SGT -T2 |
| D9555 | MTZJ15B -T2 | OPEN | MTZJ15B -T2 |
| D9556 | MTZJ16C -T2 | OPEN | MTZJ16C -T2 |
| K9556 | QUY153 -050Y | OPEN | QUY153 -050Y |
| R9556 | QRG01GJ -152 | OPEN | QRG01GJ -152 |
| R9557 | 330k | OPEN | 330k |
| CP9554 | ICP-N50 -T | OPEN | ICP-N50 -T |

c20179001_0214_2/3_0.0

# POWER PWB CIRCUIT DIAGRAM (3/3) SHEET 32


POWER PWB ASS'Y (3/3)
SRA-9012A-M2
SHEET31
BT32V
DCDC13.5
GND2
BT32V
LB_POW
12V
12V
12V
IC9701
PQ120RDA1SZ
IN
OUT
GND
ON/OFF
C9701
10/50
QEHR1HM-106Z
D9701
SK14-GA-X
D9702
MA111-X
C9702
100/16
QEHR1CM-107Z
R9701
47k
H9721
LC31334-003B
9V REGULATOR
IC9721
PQ15RW11
IN
OUT
GND
Vadj
C9721
100/25
QEHR1EM-107Z
D9721
SK14-GA-X
C9723
100 /16
QEHR1CM-107Z
R9721
100k
R9723
5.6k
0.5%
3D
C9724
OPEN
R9722
2.2k
0.5%
R9724
OPEN
0.5%
9V
H9741
LC31334-003B
5V REGULATOR
IC9741
PQ1CG2032FZ
IN
OUT
GND
Vadj
ON/OFF
C9741
1000 /25
QEHR1EM-108Z
D9741
FSQ05A04
C9742
0.1
NCB31EK-104X
L9741
QQR1401-001
C9744
OPEN
C9743
QECR1AM-128Z
R9741
33k
0.5%
3D
R9743
10k
0.5%
3D
C9745
OPEN
D9743
MTZJ6.8B-T2
R9742
3k
0.5%
R9744
15k
0.5%
5V
R9865
4.7k
R9866
10k
D9862
MA111-X
D9861
MA111-X
R9863
12k
R9864
1.2k
Q9861
2SC3928A/QR
Q9821
2SC3928A/QR/-X
R9823
10k
R9821
8.2k
R9822
1.2k
R9833
10k
D9831
MA111-X
C9831
1/16 NCB31CK
LB PRO
SWITCH
CB2
R98
8.2k
R9831
4.7k
R9832
1.2k
D9832
MA8056/M/-X
Q9831
2SC3928A/QR/-X
Y9075
Y9076
R9844
D9841
Q9841
R9841
R9842
R9847
D9842
R9845
Q9842
R9846
H976
C9761
C977
*

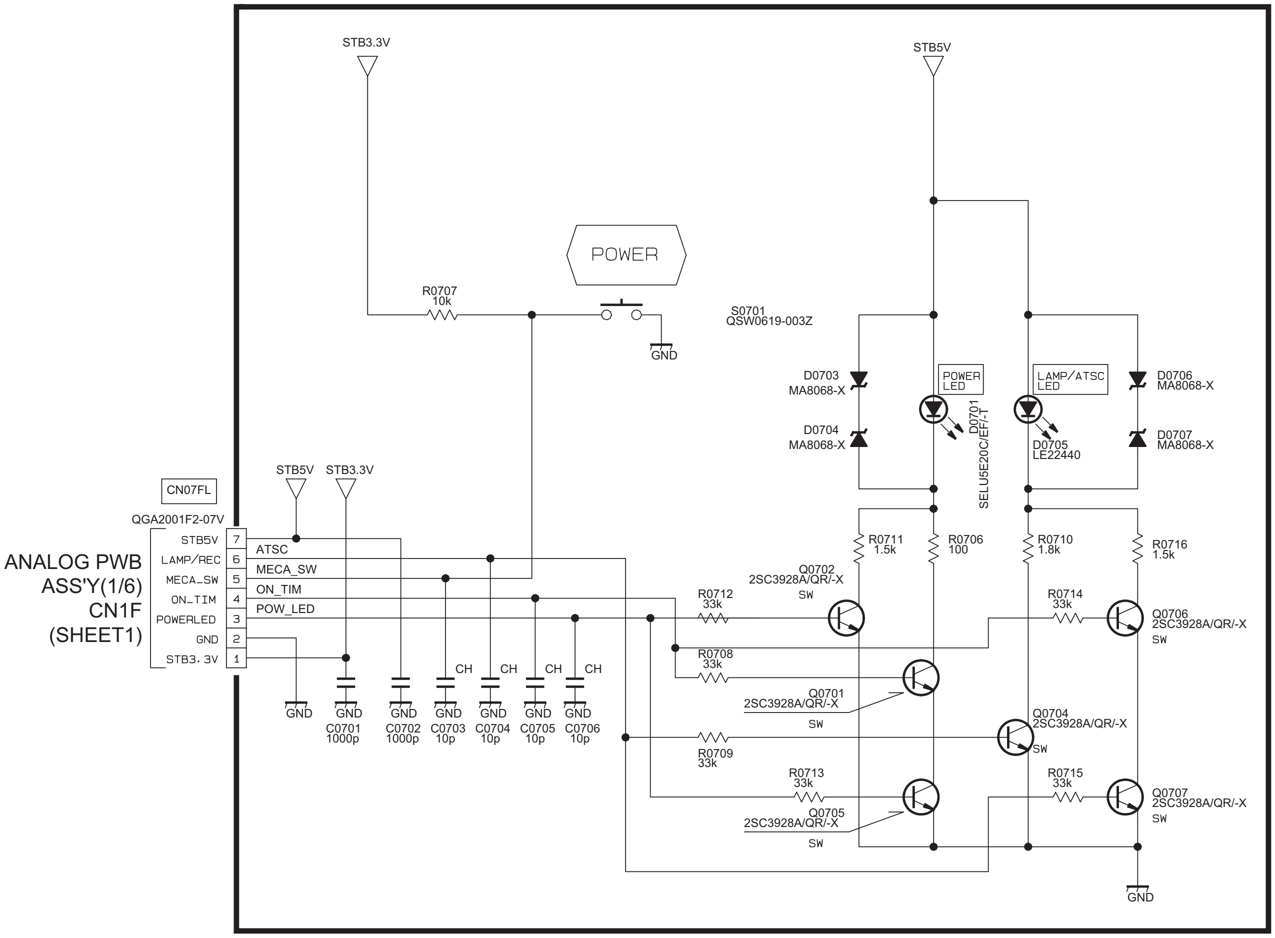


CN9A3
QGA2001C1-12
BT32V
12V
GND
9V
5V
NC
(SDA385)
(SCL385)
ANALOG PWB
ASS'Y(6/6)
CN1A3
(SHEET6)
CN9E4
OPEN
CN9DC
QGA2001C1-15
(BS_AODU)
LCD5V
13.5V
LB_POW
(PFC_POW)
LOB_PRO
DIGITAL PWB
ASS'Y(14/16)
CN1DC
(SHEET20)
CN9E3
OPEN
CN9FAN
FAN
LOCK
OPEN
R9801
(QRG01GJ-470)
R9802
D9801
C9801
CN9UP
N.C
AGND
DGND
ATSC_2.5V
ATSC_3.3V
TGND
OPEN
LB_POW
LB_PRO
LB PRO SWITCH
D9821 MA111-X
R9851 10k
D9852 MA111-X
R9853 100k
R9854 100
R9855 47k
R9852 4.7k
D9851 MA8051/M/-X
Q9851 2SA1530A/QR/-X
C9851 QEHR1CM-107Z
Q9852 UN2213-X
Q9853 UN2213-X
C9852 0.1/25 NCB31EK-104X
R9861 1k
R9862 0
L9874 QUY153-050Y
L9876 QUY153-050Y
H9761
IC9761
3.3V REGULATOR
IN
OUT
GND
Vadj
ON/OFF
L9761
C9767 OPEN
C9762
C9761
D9762
C9763
R9771 0.5%
R9772 0.5%
C9764 OPEN
D9763
R9775
C9768
L9764
R9773 0.5%
R9774 OPEN 0.5%
Y9073
Y9072
L9766
C9770
C9771
C9775 OPEN
C9772
C9773
C9774
Y9071
Y9074
Y9075
Y9076
H9762
IC9762
2.5V REGULATOR
R9776
C9778
C9776 OPEN
R9794 OPEN
C9777
C9779
R9789
R9791 OPEN
R9792 OPEN
R9790
GND2

DIFFERENCE LIST

| | SRA-9011A | SRA-9012A | SRA-9014A |
|---|---|---|---|
| | OLLC09898 | ollc09898 -02 | OLLC10257 |
| CNFAN | QGA2001C1 -04 | OPEN | OPEN |
| CN2UP | QGA2001C1 -10 | OPEN | OPEN |
| IC9761 | PQ1CG2032 FZ | OPEN | OPEN |
| IC9762 | SI-3011ZF -F3 | OPEN | OPEN |
| H9761 | LC31334 -003B | OPEN | OPEN |
| H9762 | LC31334 -003B | OPEN | OPEN |
| C9761 | QEHR1EM -108Z | OPEN | OPEN |
| C9762 | NCB31EK -104X | OPEN | OPEN |
| C9763 | QECR1AM -128Z | OPEN | OPEN |
| C9768 | QEHR1CM -107Z | OPEN | OPEN |
| C9770 | NCB31HK -102X | OPEN | OPEN |
| C9771 | NCB31HK -102X | OPEN | OPEN |
| C9772 | NCB31HK -102X | OPEN | OPEN |
| C9773 | NCB31HK -102X | OPEN | OPEN |
| C9774 | NCB31HK -102X | OPEN | OPEN |
| C9777 | QEHR1HM -105Z | OPEN | OPEN |
| C9778 | QEHR1CM -107Z | OPEN | OPEN |
| C9779 | QEHR1CM -107Z | OPEN | OPEN |
| C9801 | QEHR1HM -106Z | OPEN | OPEN |
| D9762 | FSQ05A04 | OPEN | OPEN |
| D9763 | MTZJ3.9B -T2 | OPEN | OPEN |
| D9801 | MA111-X | OPEN | OPEN |
| D9841 | MA111-X | OPEN | OPEN |
| D9842 | MA111-X | OPEN | OPEN |
| L9761 | QQR1401 -001 | OPEN | OPEN |
| L9764 | QUY153 -050Y | OPEN | OPEN |
| L9766 | QUY153 -050Y | OPEN | OPEN |
| Q9841 | 2SC3928A /QR/-X | OPEN | OPEN |
| Q9842 | 2SC3928A /QR/-X | OPEN | OPEN |
| R9771 | 5.6k | OPEN | OPEN |
| R9772 | 6.8k | OPEN | OPEN |
| R9773 | 1.8k | OPEN | OPEN |
| R9775 | NRS12BJ -331W | OPEN | OPEN |
| R9776 | 4.7k | OPEN | OPEN |
| R9789 | 15k | OPEN | OPEN |
| R9790 | 11k | OPEN | OPEN |
| R9801 | QRG01GJ -470 | OPEN | OPEN |
| R9802 | 4.7k | OPEN | OPEN |
| R9841 | 2.7k | OPEN | OPEN |
| R9842 | 1.2k | OPEN | OPEN |
| R9844 | 10k | OPEN | OPEN |
| R9845 | 1.8k | OPEN | OPEN |
| R9846 | 1.2k | OPEN | OPEN |
| R9847 | 10k | OPEN | OPEN |
| Y9071 | QUY160 -100Y | OPEN | OPEN |
| Y9072 | QUY160 -100Y | OPEN | OPEN |
| Y9073 | QUY160 -100Y | OPEN | OPEN |
| Y9074 | QUY160 -100Y | OPEN | OPEN |
| Y9075 | QUY160 -100Y | OPEN | OPEN |
| Y9076 | QUY160 -100Y | OPEN | OPEN |

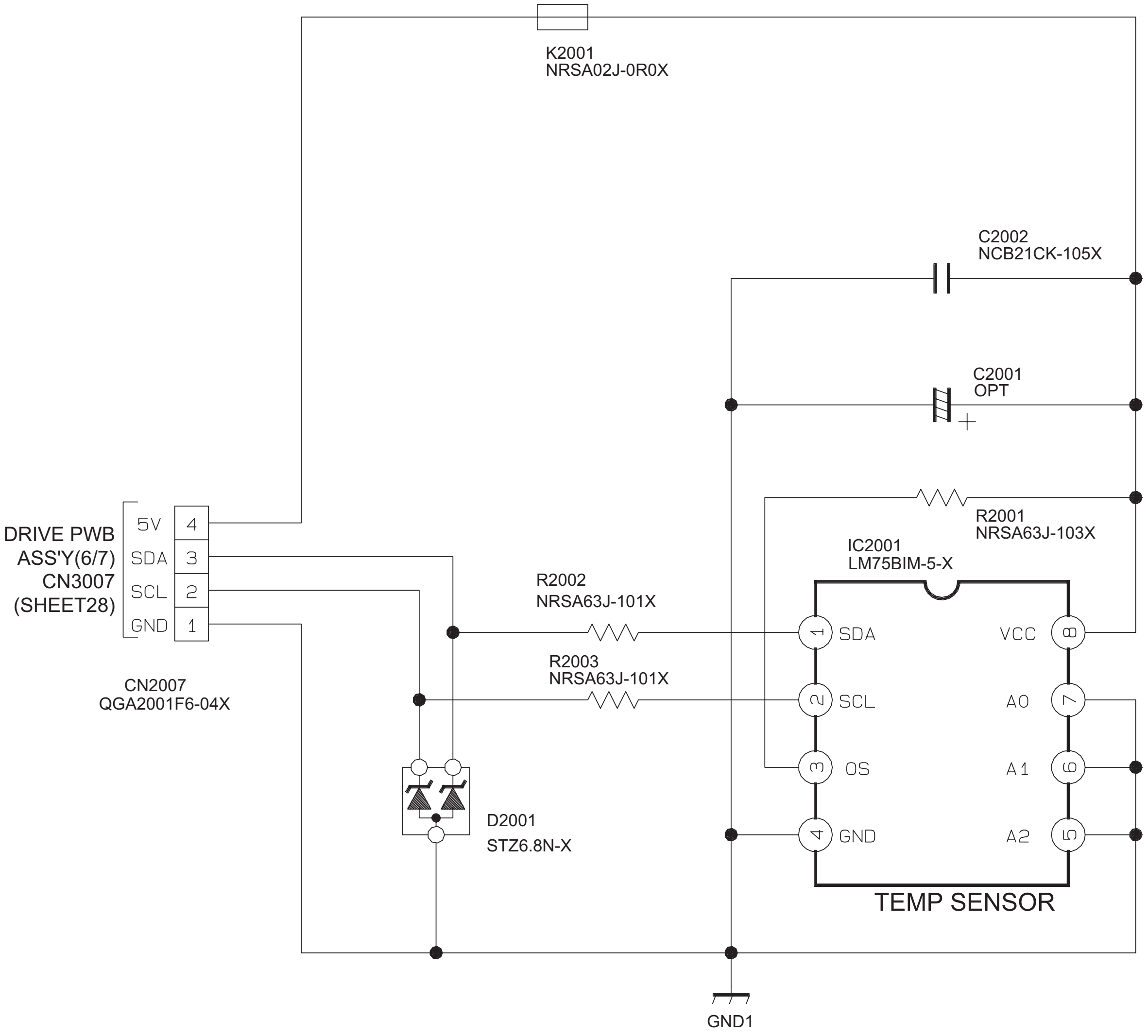
c20179001_0214_3/3_0.0


STB3.3V
STB5V
POWER
R0707
10k
S0701
QSW0619-003Z
GND
D0703
MA8068-X
D0704
MA8068-X
POWER
LED
D0701
SELU5E20C/EF/-T
LAMP/ATSC
LED
D0705
LE22440
D0706
MA8068-X
D0707
MA8068-X
CN07FL
QGA2001F2-07V
ANALOG PWB
ASS'Y(1/6)
CN1F
(SHEET1)
STB5V 7
LAMP/REC 6
MECA_SW 5
ON_TIM 4
POWERLED 3
GND 2
STB3.3V 1
ATSC
MECA_SW
ON_TIM
POW_LED
R0711
1.5k
R0706
100
R0710
1.8k
R0716
1.5k
Q0702
2SC3928A/QR/-X
SW
R0712
33k
R0714
33k
Q0706
2SC3928A/QR/-X
SW
R0708
33k
Q0701
2SC3928A/QR/-X
SW
Q0704
2SC3928A/QR/-X
SW
R0709
33k
R0713
33k
Q0705
2SC3928A/QR/-X
SW
R0715
33k
Q0707
2SC3928A/QR/-X
SW
CH
C0701
1000p
C0702
1000p
C0703
10p
C0704
10p
C0705
10p
C0706
10p
GND

# FRONT LED PWB ASS'Y

SRA0L111A-M2

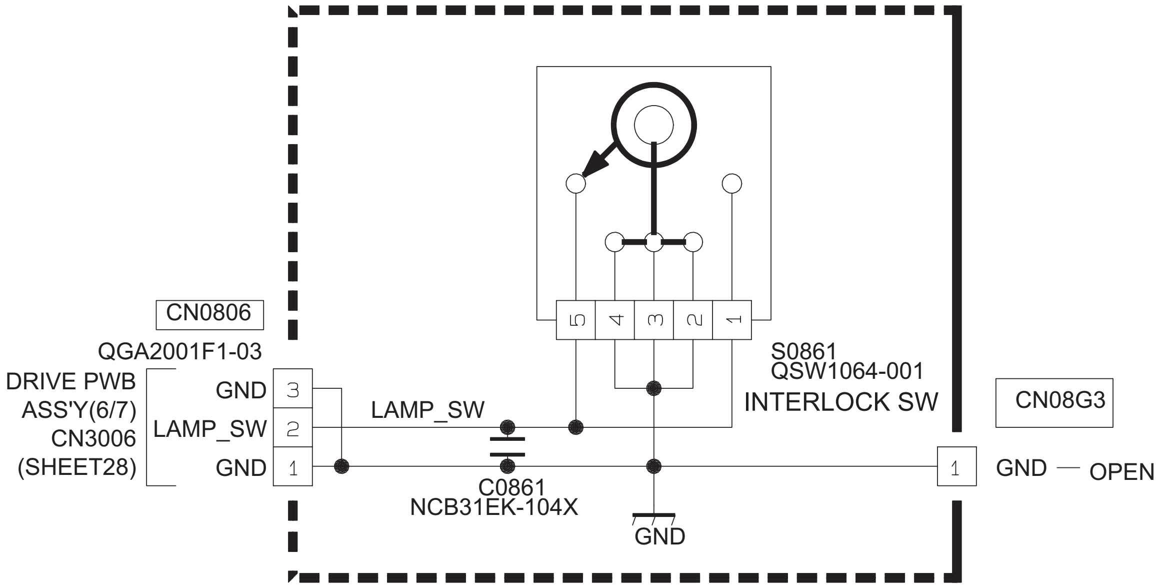
c30200001_0214_1/1_0.0


K2001
NRSA02J-0R0X
C2002
NCB21CK-105X
C2001
OPT
R2001
NRSA63J-103X
IC2001
LM75BIM-5-X
DRIVE PWB
ASS'Y(6/7)
CN3007
(SHEET28)
5V 4
SDA 3
SCL 2
GND 1
R2002
NRSA63J-101X
R2003
NRSA63J-101X
CN2007
QGA2001F6-04X
1 SDA
2 SCL
3 OS
4 GND
VCC 8
A0 7
A1 6
A2 5
D2001
STZ6.8N-X
TEMP SENSOR
GND1

# TEMP PWB ASS'Y

## SRA-8202A-M2

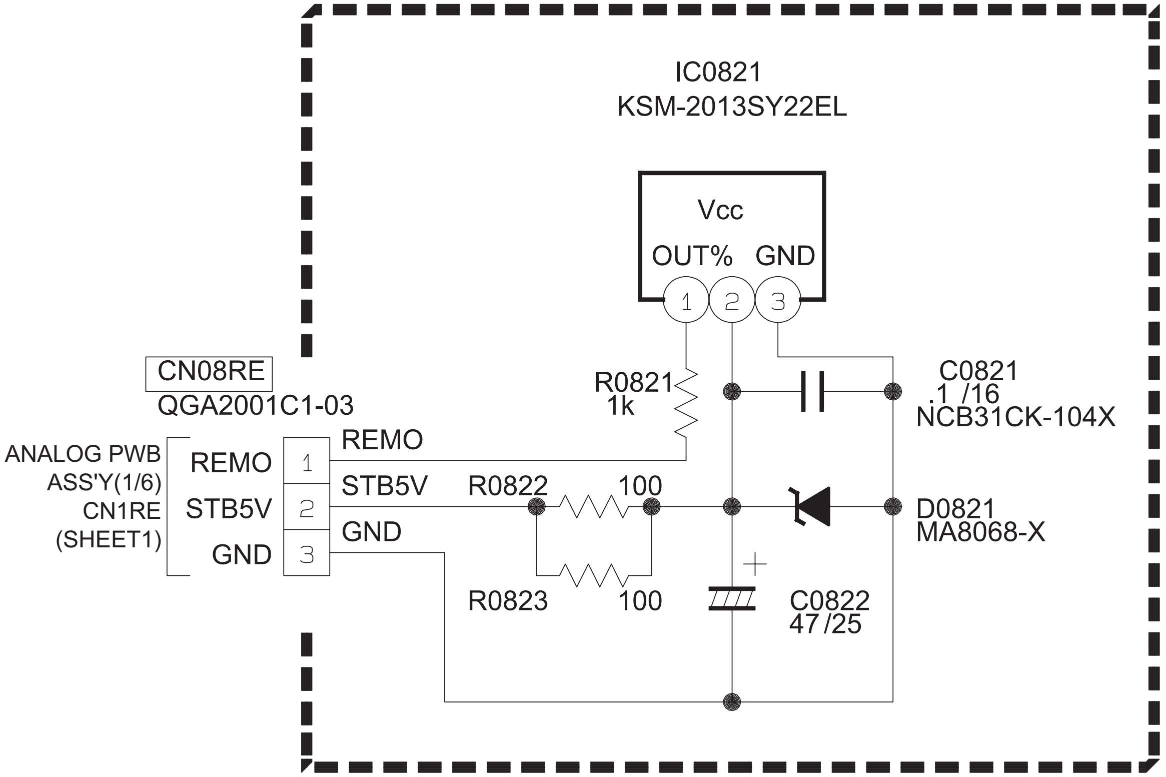
c40087001_0216_1/1_0.0


CN0806
QGA2001F1-03
DRIVE PWB
ASS'Y(6/7)
CN3006
(SHEET28)
GND
LAMP_SW
GND
3
2
1
LAMP_SW
C0861
NCB31EK-104X
GND
5
4
3
2
1
S0861
QSW1064-001
INTERLOCK SW
CN08G3
1
GND — OPEN

# LAMP COVER PWB ASS'Y

## SRA0L211A-M2

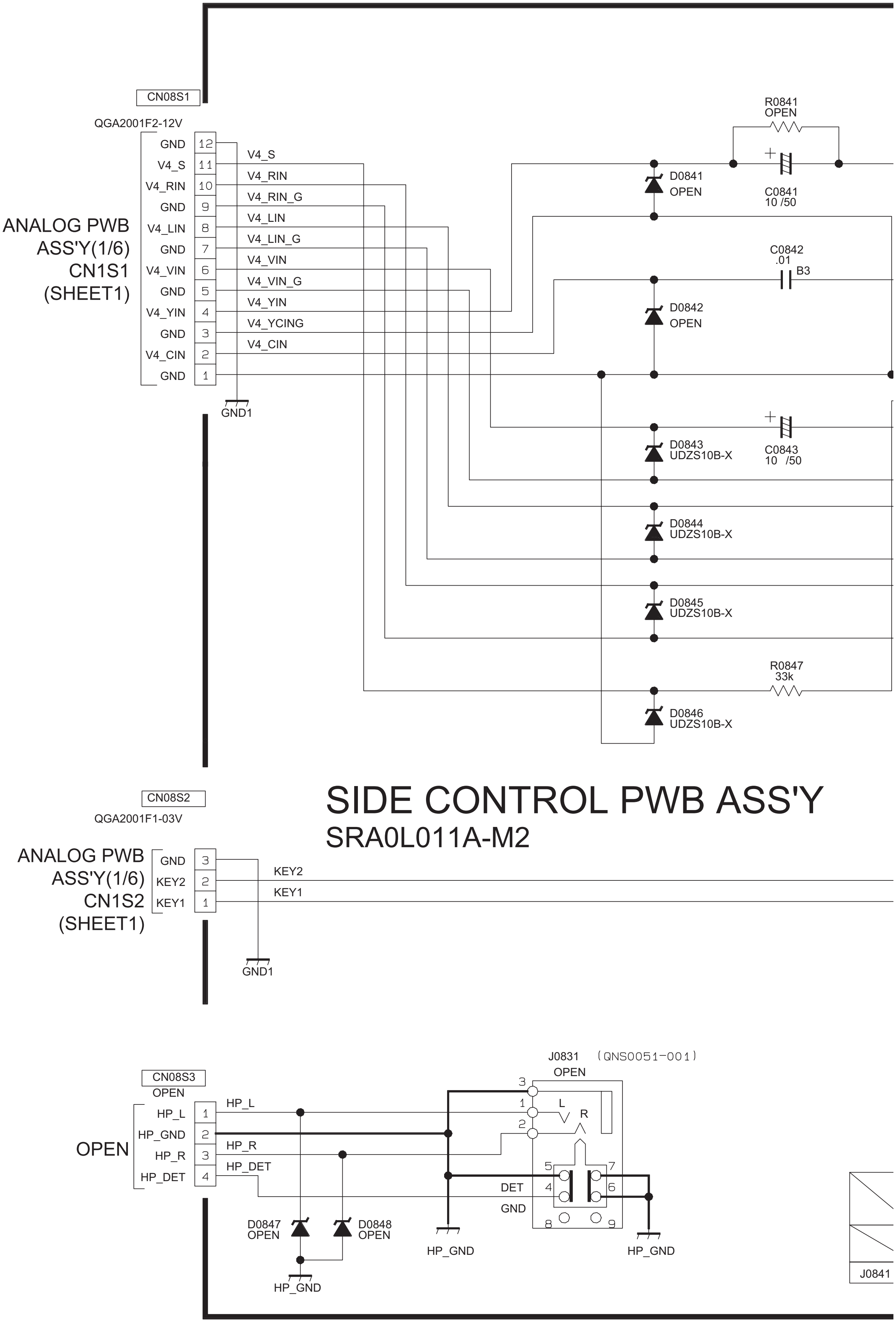
c40084001_0214_1/1_0.0

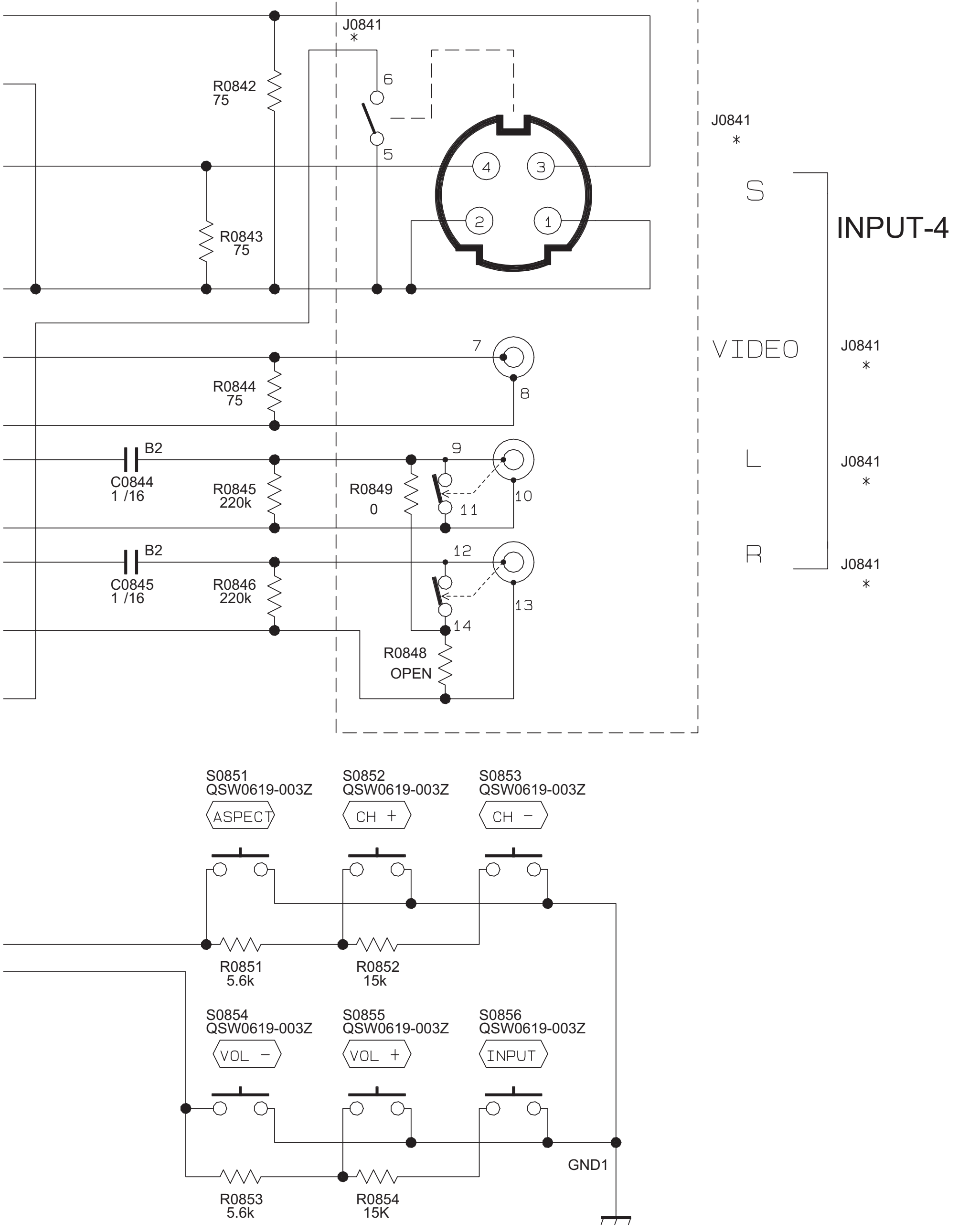

IC0821
KSM-2013SY22EL
Vcc
OUT%
GND
1
2
3
CN08RE
QGA2001C1-03
ANALOG PWB
ASS'Y(1/6)
CN1RE
(SHEET1)
REMO
STB5V
GND
REMO
STB5V
GND
R0821
1k
R0822
100
R0823
100
C0821
.1 /16
NCB31CK-104X
D0821
MA8068-X
C0822
47 /25

# REMOCON PWB ASS'Y

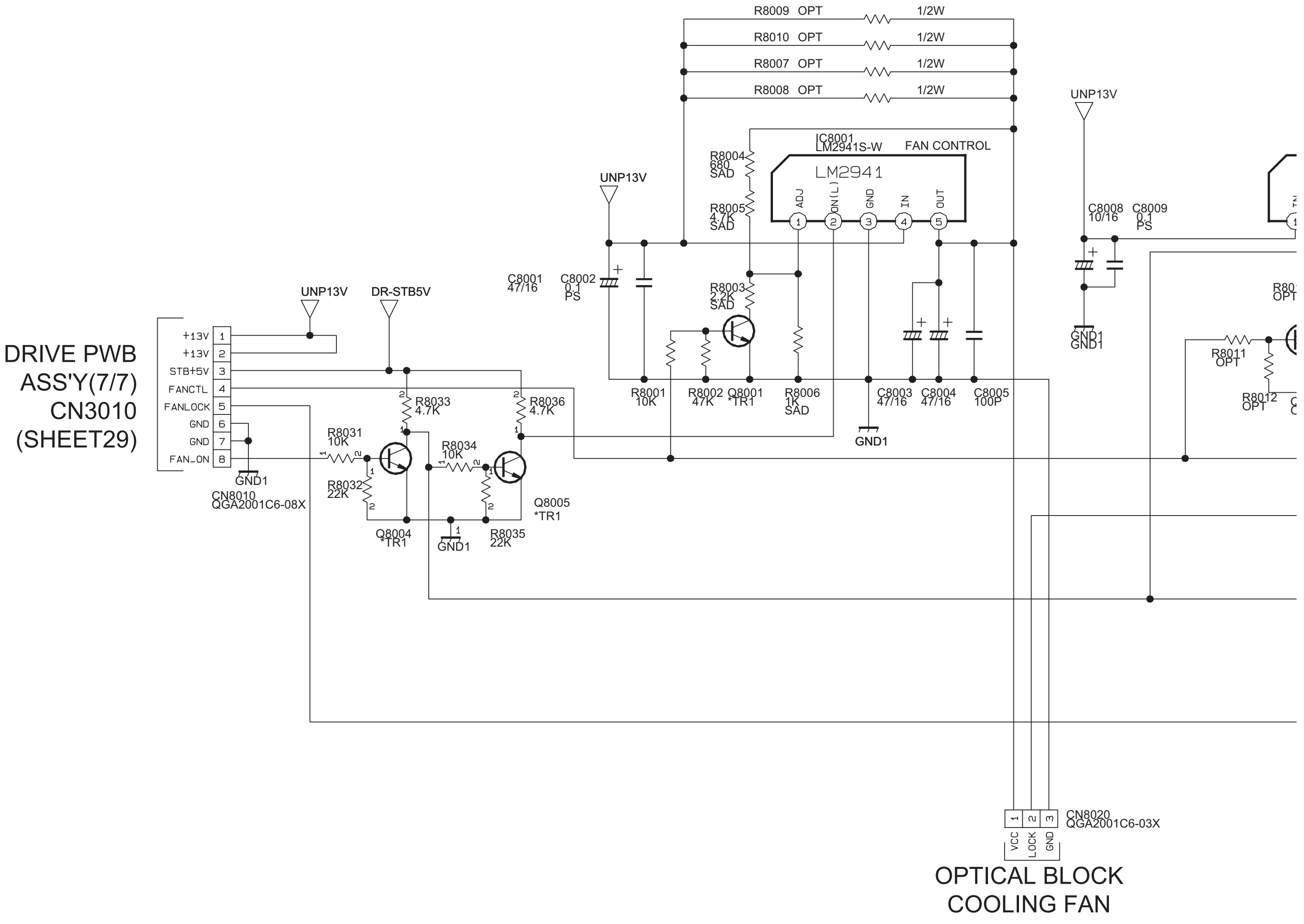
SRA-8011A-M2

c40085001_0214_1/1_0.0


CN08S1
QGA2001F2-12V
ANALOG PWB
ASS'Y(1/6)
CN1S1
(SHEET1)
GND 12
V4_S 11
V4_RIN 10
GND 9
V4_LIN 8
GND 7
V4_VIN 6
GND 5
V4_YIN 4
GND 3
V4_CIN 2
GND 1
V4_S
V4_RIN
V4_RIN_G
V4_LIN
V4_LIN_G
V4_VIN
V4_VIN_G
V4_YIN
V4_YCING
V4_CIN
GND1
R0841
OPEN
D0841
OPEN
C0841
10 /50
C0842
.01
B3
D0842
OPEN
D0843
UDZS10B-X
C0843
10 /50
D0844
UDZS10B-X
D0845
UDZS10B-X
R0847
33k
D0846
UDZS10B-X
SIDE CONTROL PWB ASS'Y
SRA0L011A-M2
CN08S2
QGA2001F1-03V
ANALOG PWB
ASS'Y(1/6)
CN1S2
(SHEET1)
GND 3
KEY2 2
KEY1 1
KEY2
KEY1
GND1
CN08S3
OPEN
OPEN
HP_L 1
HP_GND 2
HP_R 3
HP_DET 4
HP_L
HP_R
HP_DET
D0847
OPEN
D0848
OPEN
HP_GND
HP_GND
J0831 (QNS0051-001)
OPEN
3
1
2
L
R
5
7
DET
4
6
GND
8
9
HP_GND
HP_GND
J0841

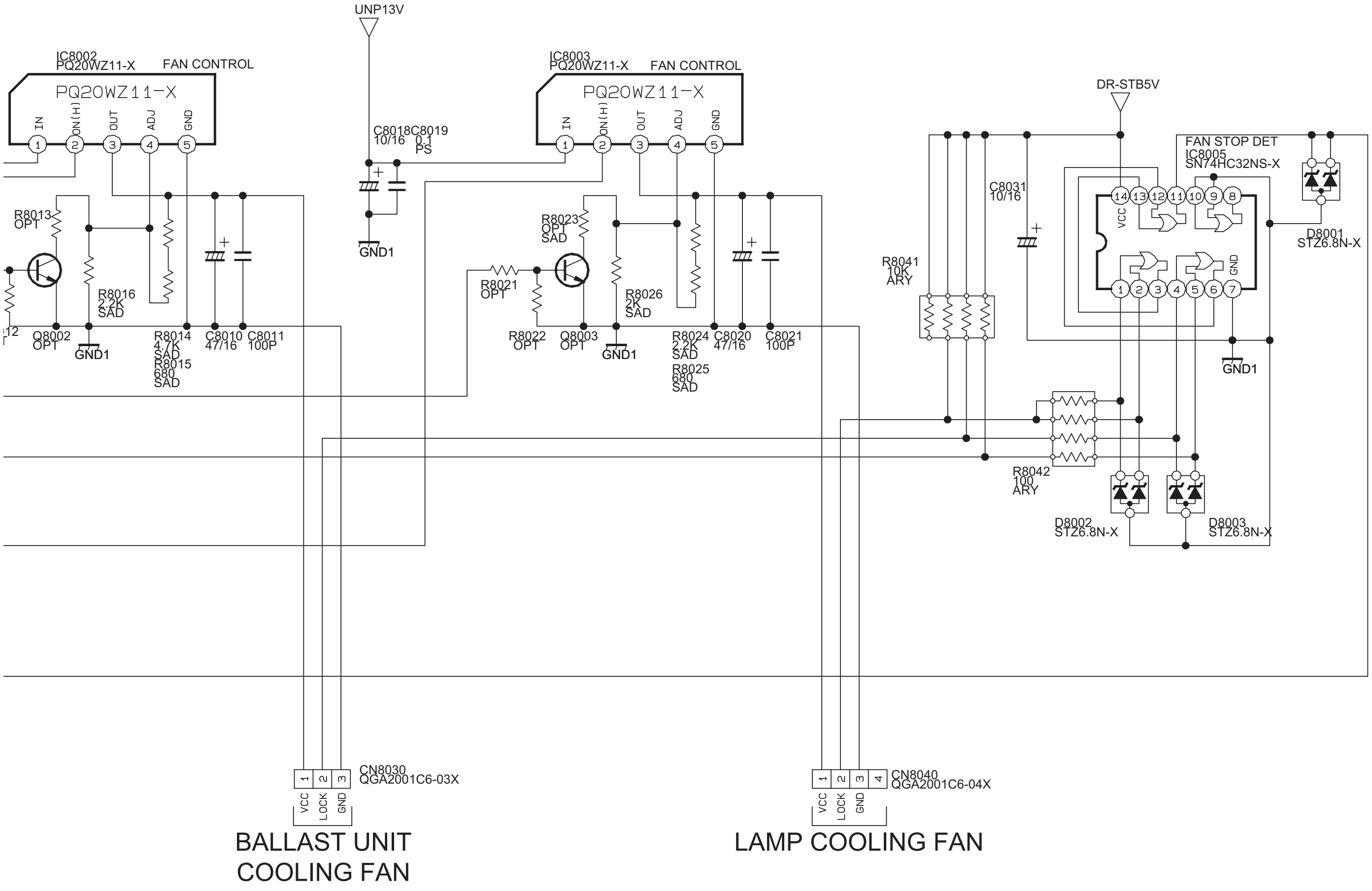

J0841
*
6
5
R0842
75
4
3
2
1
J0841
*
S
INPUT-4
R0843
75
7
VIDEO
J0841
*
R0844
75
8
B2
C0844
1 /16
R0845
220k
9
R0849
0
11
10
L
J0841
*
B2
C0845
1 /16
R0846
220k
12
13
14
R
J0841
*
R0848
OPEN
S0851
QSW0619-003Z
ASPECT
S0852
QSW0619-003Z
CH +
S0853
QSW0619-003Z
CH −
R0851
5.6k
R0852
15k
S0854
QSW0619-003Z
VOL −
S0855
QSW0619-003Z
VOL +
S0856
QSW0619-003Z
INPUT
GND1
R0853
5.6k
R0854
15K

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | HD-61G887A<br>HD-56G887A<br>HD-52G887A | HD-61G657A<br>HD-56G657A<br>HD-52G657A | HD-61G587A<br>HD-52G587A | HD-61G567A<br>HD-52G567A | HD-70FH97A<br>HD-61FH97A<br>HD-56FH97A<br>HD-52FH97A | HD-70FN97A<br>HD-61FN97A<br>HD-56FN97A<br>HD-52FN97A | HD-61FC97A<br>HD-56FC97A | HD-56FM97A |
| | OLLC09901 | OLLC09901 | | | OL-CX2749 | | | |
| 0841 | QNN0787<br>-001 | QNN0787<br>-001 | QNN0787<br>-001 | QNN0787<br>-001 | QNN0787<br>-002 | QNN0787<br>-001 | QNN0787<br>-001 | QNN0787<br>-001 |


R8009 OPT 1/2W
R8010 OPT 1/2W
R8007 OPT 1/2W
R8008 OPT 1/2W
UNP13V
IC8001
LM2941S-W
FAN CONTROL
LM2941
ADJ
ON(L)
GND
IN
OUT
R8004
680
SAD
R8005
4.7K
SAD
R8003
2.2K
SAD
C8001
47/16
C8002
0.1
PS
C8008
10/16
C8009
0.1
PS
GND1
R8011
OPT
R8012
OPT
R8001
10K
R8002
47K
Q8001
*TR1
R8006
1K
SAD
C8003
47/16
C8004
47/16
C8005
100P
DR-STB5V
DRIVE PWB
ASS'Y(7/7)
CN3010
(SHEET29)
+13V
STB+5V
FANCTL
FANLOCK
GND
FAN_ON
CN8010
QGA2001C6-08X
R8033
4.7K
R8036
4.7K
R8031
10K
R8034
10K
R8032
22K
R8035
22K
Q8004
*TR1
Q8005
*TR1
CN8020
QGA2001C6-03X
VCC
LOCK
GND
OPTICAL BLOCK
COOLING FAN

# FAN PWB ASS'Y

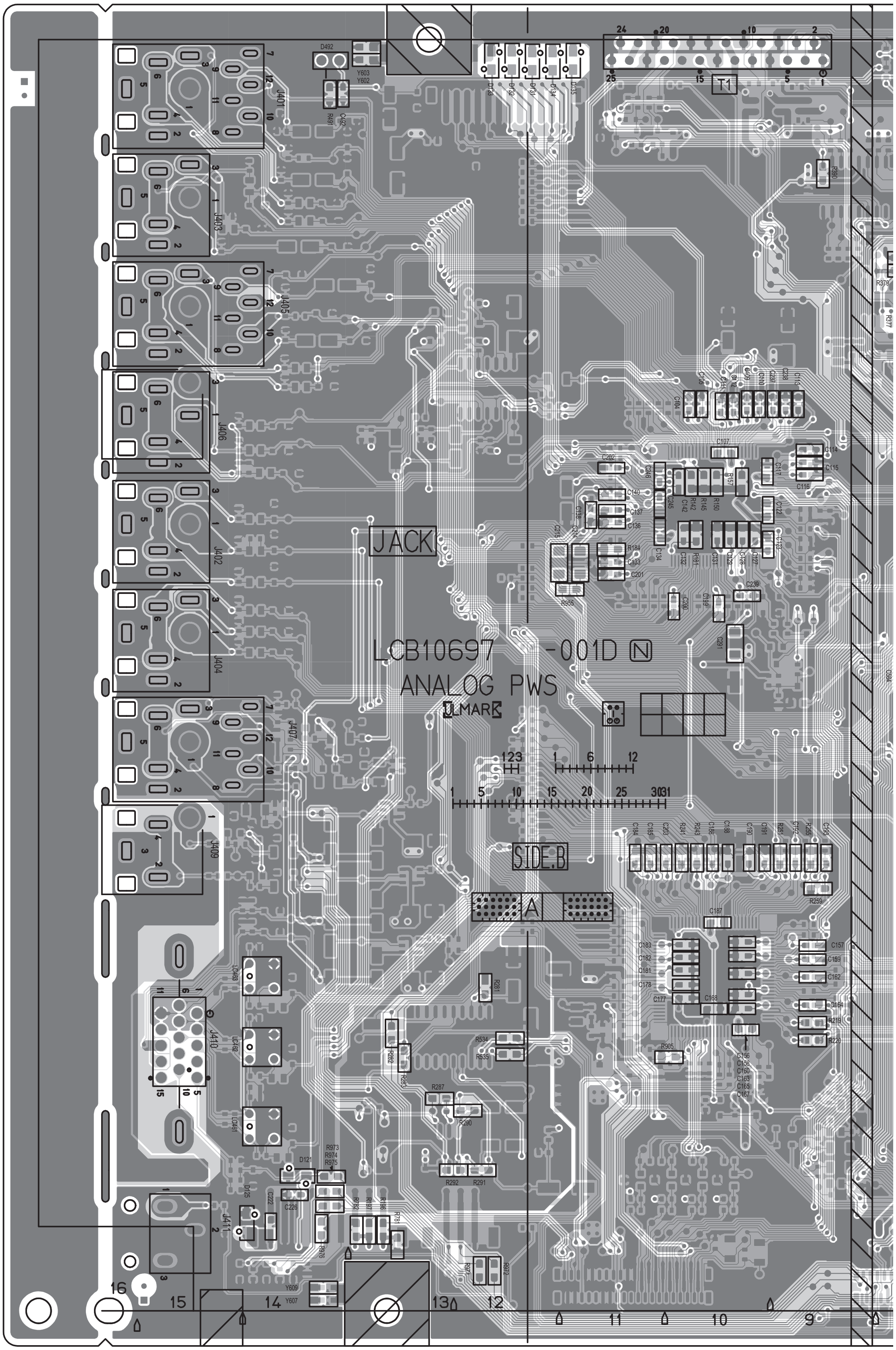
## SRA-8401A-M2


UNP13V
IC8002
PQ20WZ11-X
FAN CONTROL
PQ20WZ11-X
IN
ON(H)
OUT
ADJ
GND
C8018
10/16
C8019
0.1
PS
IC8003
PQ20WZ11-X
FAN CONTROL
PQ20WZ11-X
DR-STB5V
FAN STOP DET
IC8005
SN74HC32NS-X
VCC
GND
C8031
10/16
D8001
STZ6.8N-X
R8013
OPT
R8016
2.2K
SAD
Q8002
OPT
GND1
R8014
4.7K
SAD
R8015
680
SAD
C8010
47/16
C8011
100P
GND1
R8023
OPT
SAD
R8021
OPT
R8026
2K
SAD
R8022
OPT
Q8003
OPT
GND1
R8024
2.2K
SAD
R8025
680
SAD
C8020
47/16
C8021
100P
R8041
10K
ARY
GND1
R8042
100
ARY
D8002
STZ6.8N-X
D8003
STZ6.8N-X
CN8030
QGA2001C6-03X
VCC
LOCK
GND
CN8040
QGA2001C6-04X
VCC
LOCK
GND
BALLAST UNIT
COOLING FAN
LAMP COOLING FAN

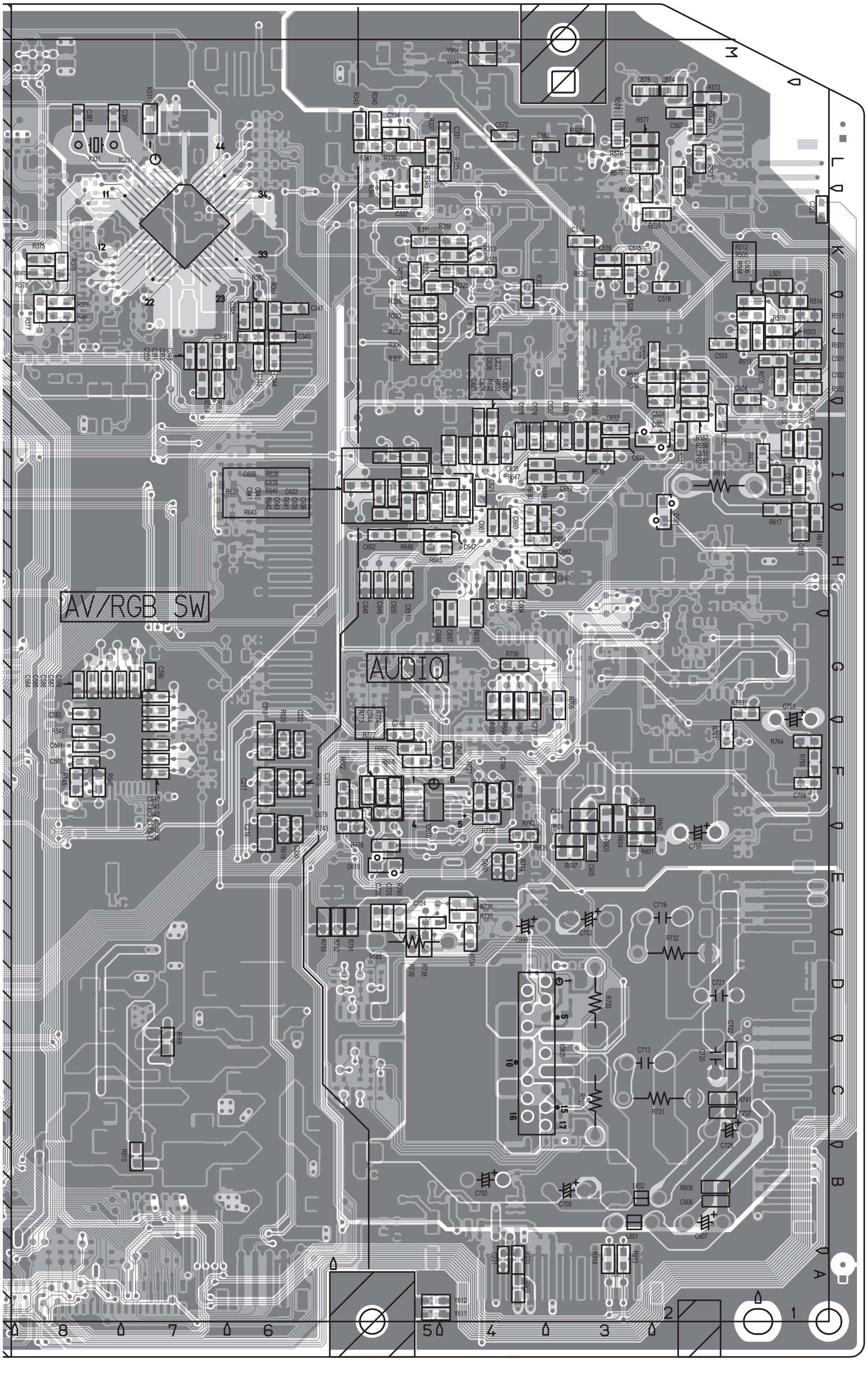
c20182001_0216_1/1_0.0

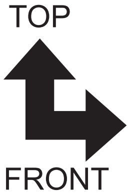
# PATTERN DIAGRAMS

*ANALOG PWB PATTERN [SOLDER SIDE]*

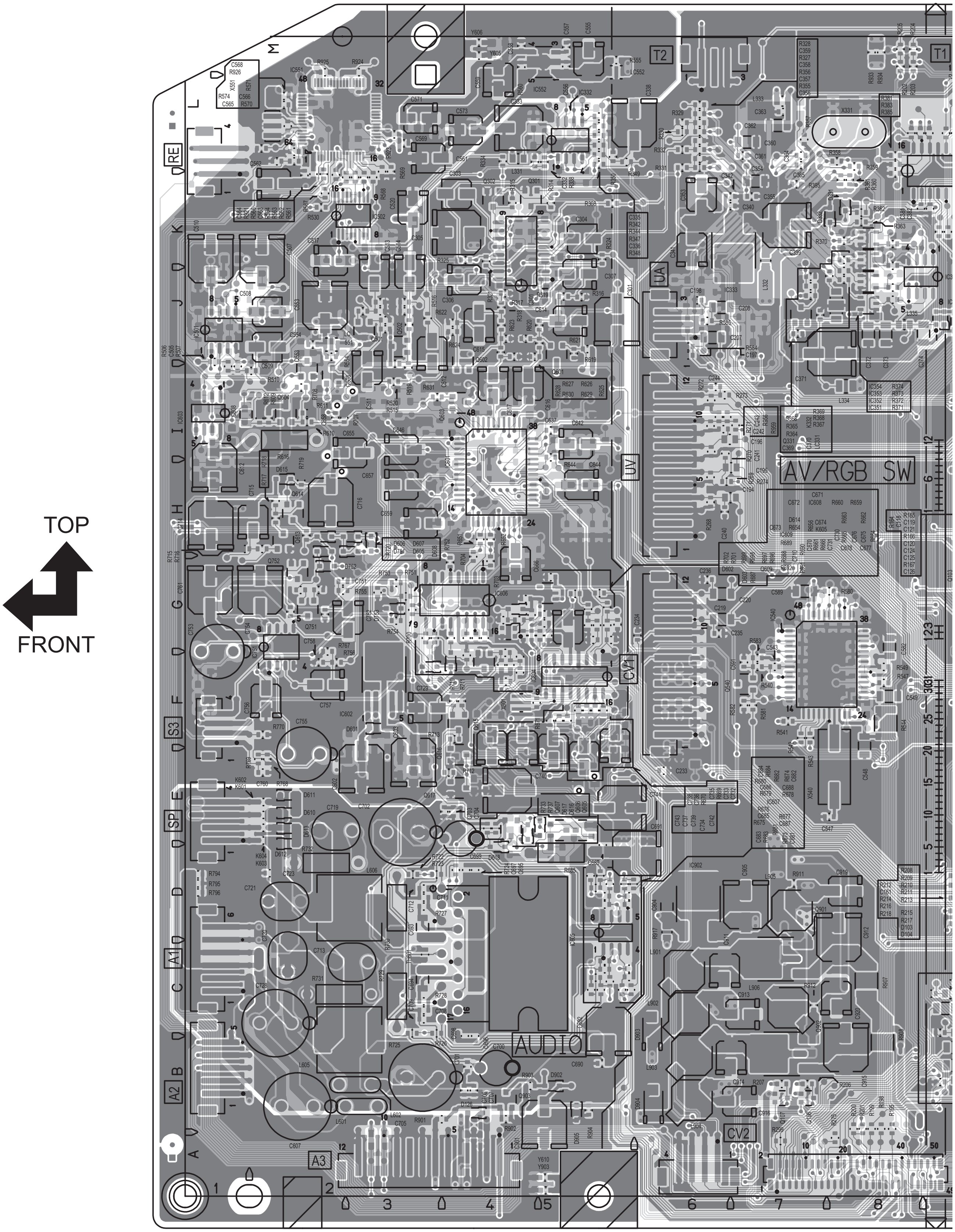


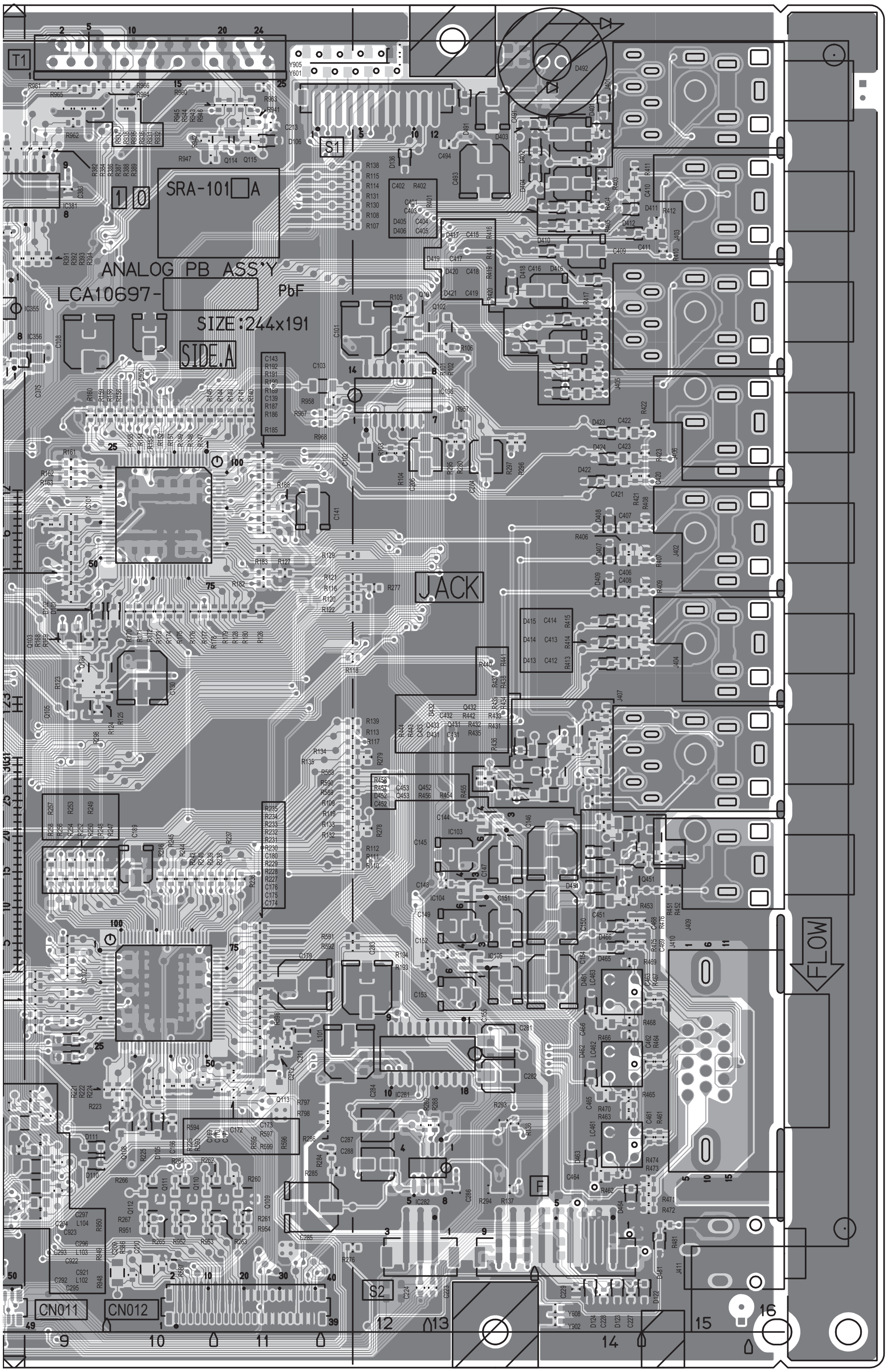
LCB10697 -001D N
ANALOG PWS
JACK
SIDE.B
A
T1
J401
J403
J405
J406
J402
J404
J407
J409
J410
J411
D492
Y603
Y602
Y609
Y607
D121
D125
C104
C107
C114
C115
C116
C201
C202
C239
C187
C157
C159
C162
C183
C182
C181
C178
C177
C168
R184
R183
R259
R287
R290
R292
R291
R534
R535
R905
R973
R974
R975
R378
R377
C226
C222
16
15
14
13
12
11
10
9
24
20
25
5
2
1
123
6
12
10
30
31


AV/RGB SW
AUDIO
M
L
K
J
I
H
G
F
E
D
C
B
A
8
7
6
5
4
3
2
1
IC331
X331
K331
R375
R378
R376
R380
R377
C347
C343
C348
R352
C334
R340
R343
R341
R339
R331
C331
R333
R345
C337
R310
R311
R313
R335
R320
R336
R323
R312
R305
R307
C572
C560
R928
C575
C574
R572
R577
C567
R576
R575
R922
R529
R566
C519
C516
C515
R522
C518
R512
R505
L501
R514
R511
R509
R503
R501
C501
C502
R502
C503
R513
C504
C632
C634
R636
R616
R617
R618
C613
R615
C638
R638
R639
R643
C622
C652
R646
R645
C647
C653
C654
C662
C663
R653
R706
R705
R774
R773
C748
R772
R682
R683
R775
R742
R776
D619
R744
C601
R601
R605
R606
R607
C605
R602
C755
R763
C753
R764
R765
C759
C583
R548
C581
C580
C590
C540
C541
C542
C546
C216
C217
R918
R919
C231
C879
R743
C724
R736
R735
R734
R738
R739
R685
C696
C702
C719
R732
R730
C721
C713
C720
C722
R729
R731
R741
C727
C728
C700
C705
L602
L601
R608
C606
C607
R913
R914
C721
R909
R910
Y612
Y611
Y904
Y604

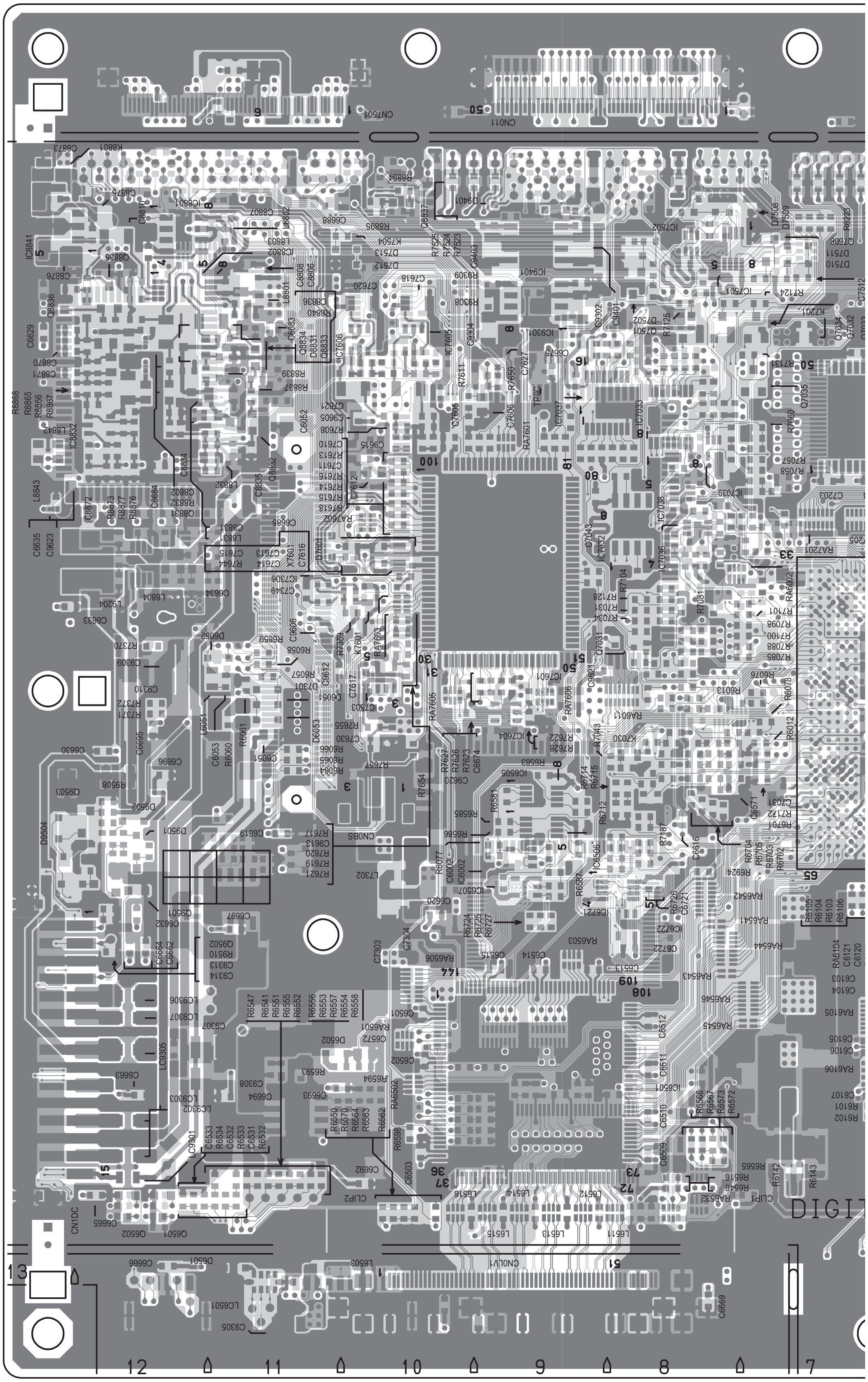

TOP
FRONT

*ANALOG PWB PATTERN [PARTS SIDE]*


TOP
FRONT
AV/RGB SW
AUDIO
UV
UA
CV1
CV2
T1
T2
RE
S3
SP
A1
A2
A3
A
B
C
D
E
F
G
H
I
J
K
L
M
1
2
3
4
5
6
7
8


T1
S1
SRA-101□A
1 0
ANALOG PB ASS'Y
LCA10697-
PbF
SIZE:244x191
SIDE.A
JACK
FLOW
F
S2
CN011
CN012
IC101
IC102
IC103
IC104
IC105
IC281
IC282
D492
9
10
11
12
13
14
15
16

## *DIGITAL PWB PATTERN [SOLDER SIDE]*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CN011
50
K8801
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C8810
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C8802
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IC8802
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R8894
K7504
D7513
D7512
R7525
R7524
R7523
C8837
C9401
C9403
IC9401
IC7502
D7508
D7509
R6223
Q7608
D7511
D7510
IC7501
R7124
C7512
K7201
IC8841
C8876
Q8836
C6629
C8870
C8871
R8868
R8865
R8866
R8867
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IC8832
L8843
C8872
R8873
R8877
R8876
C6664
C8834
R8832
C8831
L8832
C8835
Q8832
C6635
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L8831
C8833
C8806
C8836
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Q8834
D8831
Q8833
R8839
R8837
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C7620
C7618
R9309
R9308
C9304
IC9301
C7605
R7611
R7650
C7627
C7606
TP1IC
C7037
RA7601
C6052
C6605
R7608
C7610
R7613
C7611
R7616
R7614
R7615
R7618
RA7602
C7612
C6686
C7615
C7613
R7644
C7614
X7601
C7616
D7601
IC7306
C7349
C6684
L8804
L9204
C6633
D6052
R6059
C6606
R6056
R6057
R7459
K7601
RA7603
D7301
C6612
C7617
D6051
C7603
R7655
C7630
R6066
R6065
R6064
R7657
R7370
C9309
C9310
R7372
R7371
L6051
C6053
R6060
R6061
C6051
D6053
C6630
C6695
C6696
R9508
Q9503
Q9502
D9504
D9501
C6619
R7617
C9613
R7620
R7619
R7621
CNOBS
L7302
C6620
R7654
RA7605
R7627
R7626
R7623
C6674
C9620
IC7604
R7622
R7628
IC6505
R6581
R6585
R6586
R6077
C6002
IC6002
IC6507
R6587
IC6596
R6583
R6114
R6115
R6712
R7048
K7030
C9621
RA7606
RA6011
IC7601
C7043
C7032
IC7036
IC7033
IC7035
IC7039
R7104
R7128
R7031
R7034
R7081
G7031
RA6002
R7101
R7098
R7100
R7088
R7085
R6076
R6013
R6078
R6012
C7031
Q6571
R7172
R6701
R7187
C6616
R6704
R6705
R6703
R6702
R6924
RA6542
RA6541
RA6544
RA6543
RA6546
RA6545
R6105
R6104
R6103
R6106
RA6104
C6121
C6120
C6103
C6104
RA6105
C6105
C6106
RA6106
C6107
R6101
R6102
R6143
R6142
CLIP1
Q9501
C6632
C6697
C6664
C6662
R6510
Q9502
C9313
C9314
LC9306
LC9307
LC9305
C9307
C6663
LC9303
LC9302
C9308
C6694
C6693
R6547
R6541
R6551
R6555
R6552
R6556
R6553
R6557
R6554
R6558
RA6501
D6502
C6572
C6502
R6593
R6594
RA6502
R6550
R6570
R6564
R6563
R6562
R6598
C6503
C6692
CLIP2
C7303
C7304
RA6506
C6501
C6515
C6514
C6513
RA6503
R6724
R6725
R6727
IC6721
C6722
C6720
C6721
IC6722
C6512
C6511
IC6501
C6510
C6509
R6566
R6567
R6573
R6572
R6565
R6546
RA6532
LC9301
C6533
R6534
C6532
R6533
C6531
R6532
CN1DC
C6665
Q6502
Q6501
C6666
D6501
LC6501
C9305
L6503
L6516
L6514
L6512
L6515
L6513
L6511
CNOLV1
C6669
DIGIT
1
5
8
6
14
16
100
81
80
30
31
51
33
65
144
109
108
73
72
37
36
15
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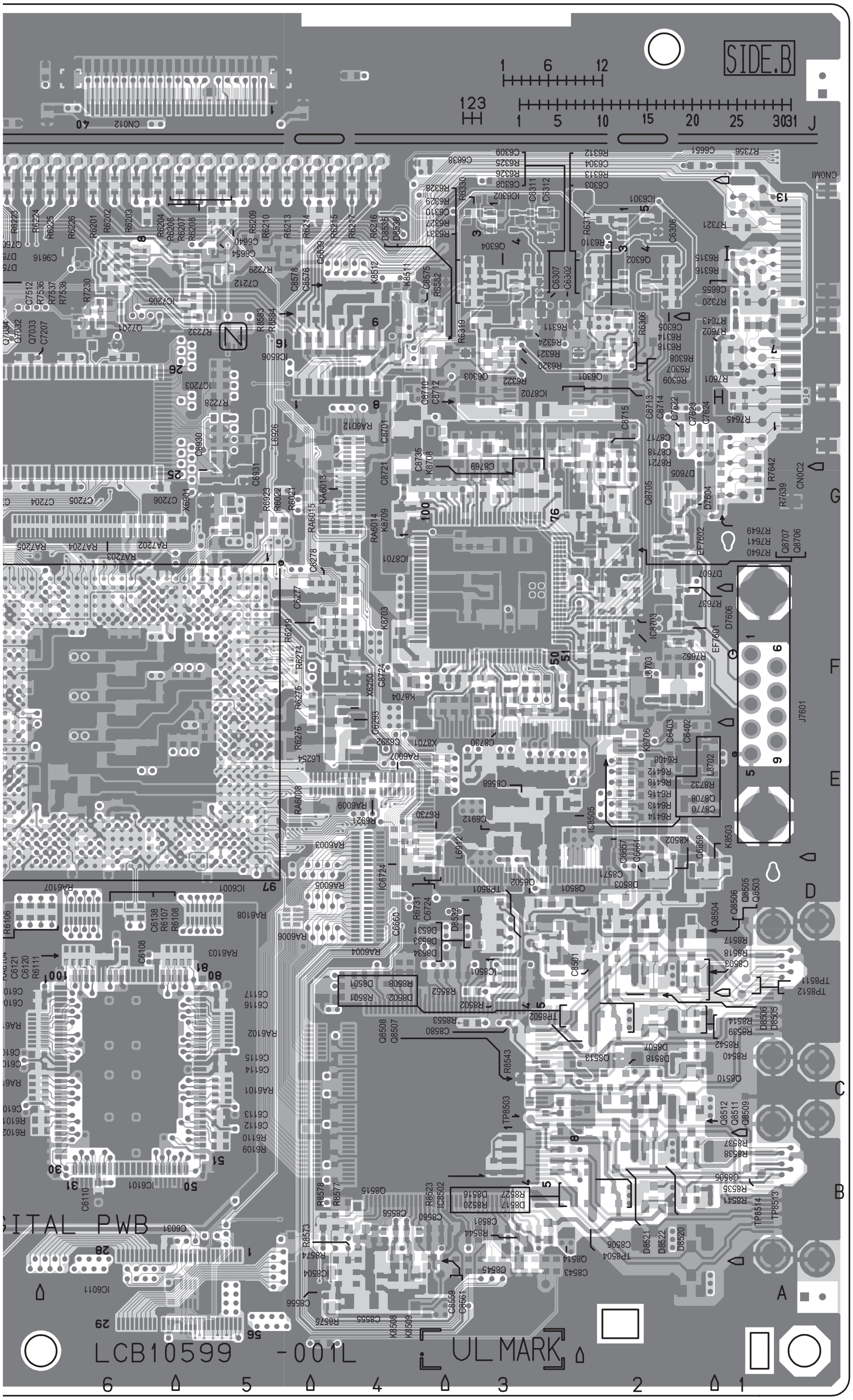
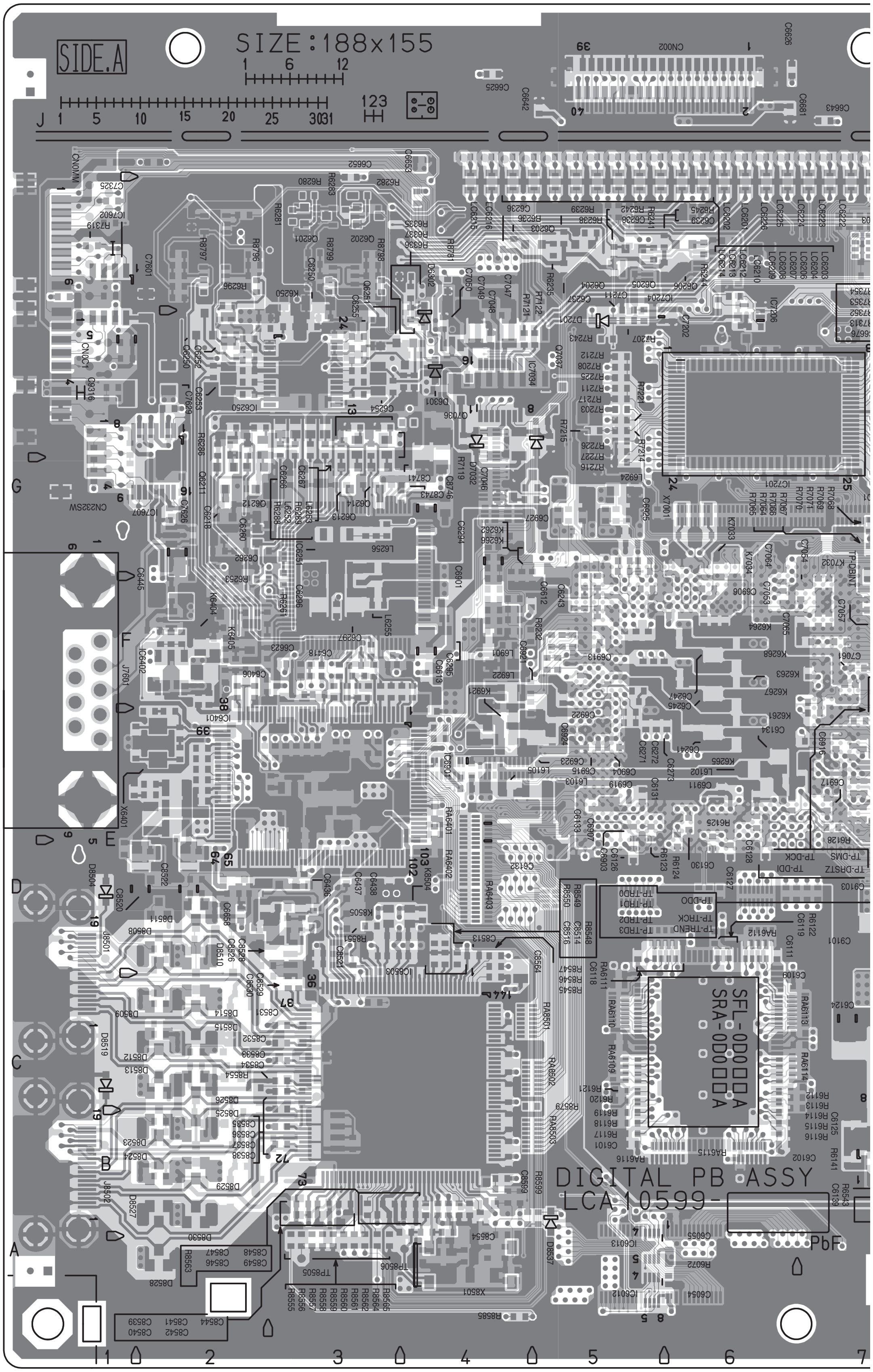
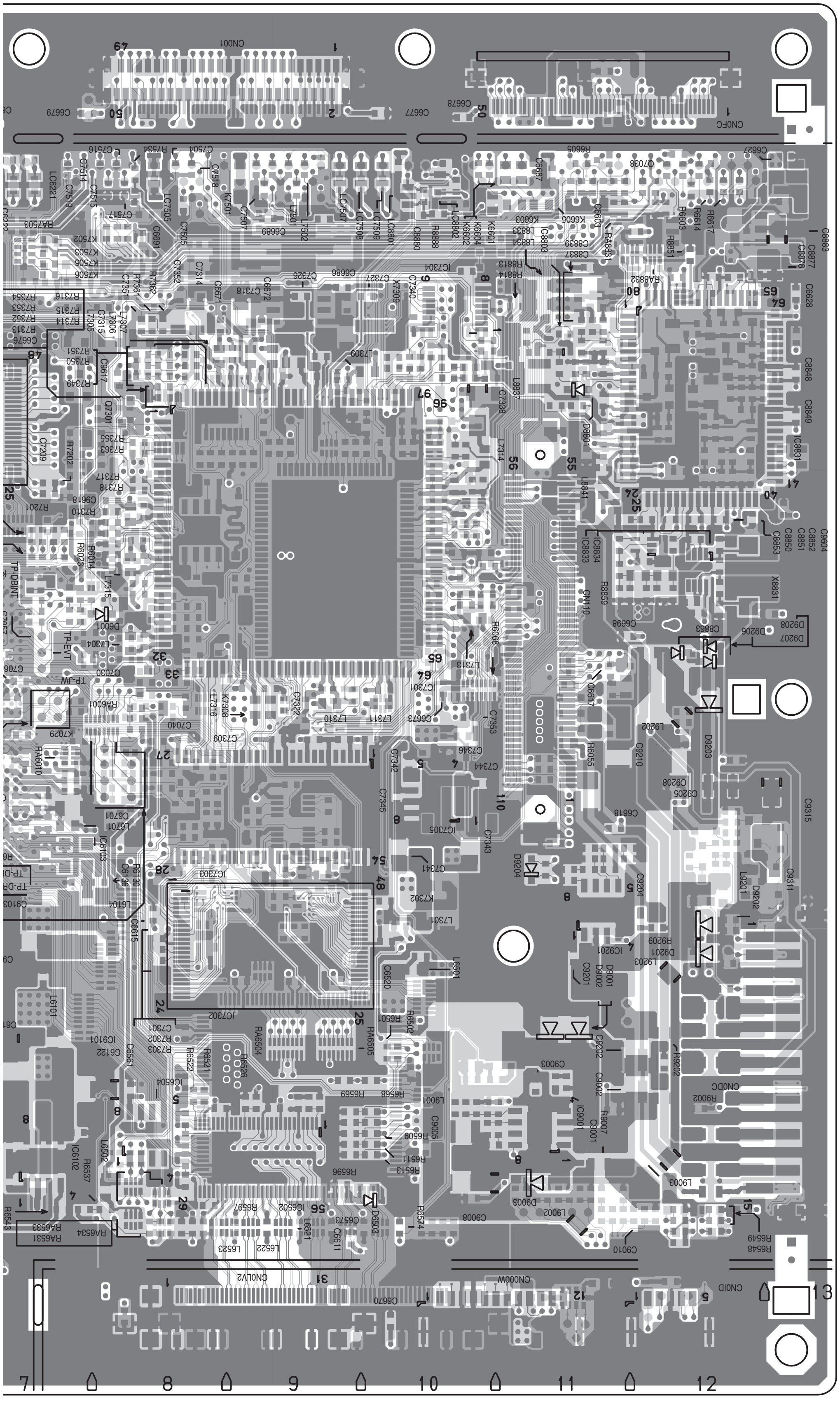
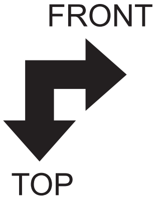
11
10
9
8
7


SIDE.B
GITAL PWB
LCB10599 -001L
UL MARK
CN012
IC6001
IC6101
IC6011
IC8701
IC8702
IC8703
IC8501
IC8502
IC8504
IC8505
IC8506
IC6301
IC6302
IC7203
IC7205
J7601
CN0M1
CN0C2
A
B
C
D
E
F
G
H
J
1
2
3
4
5
6

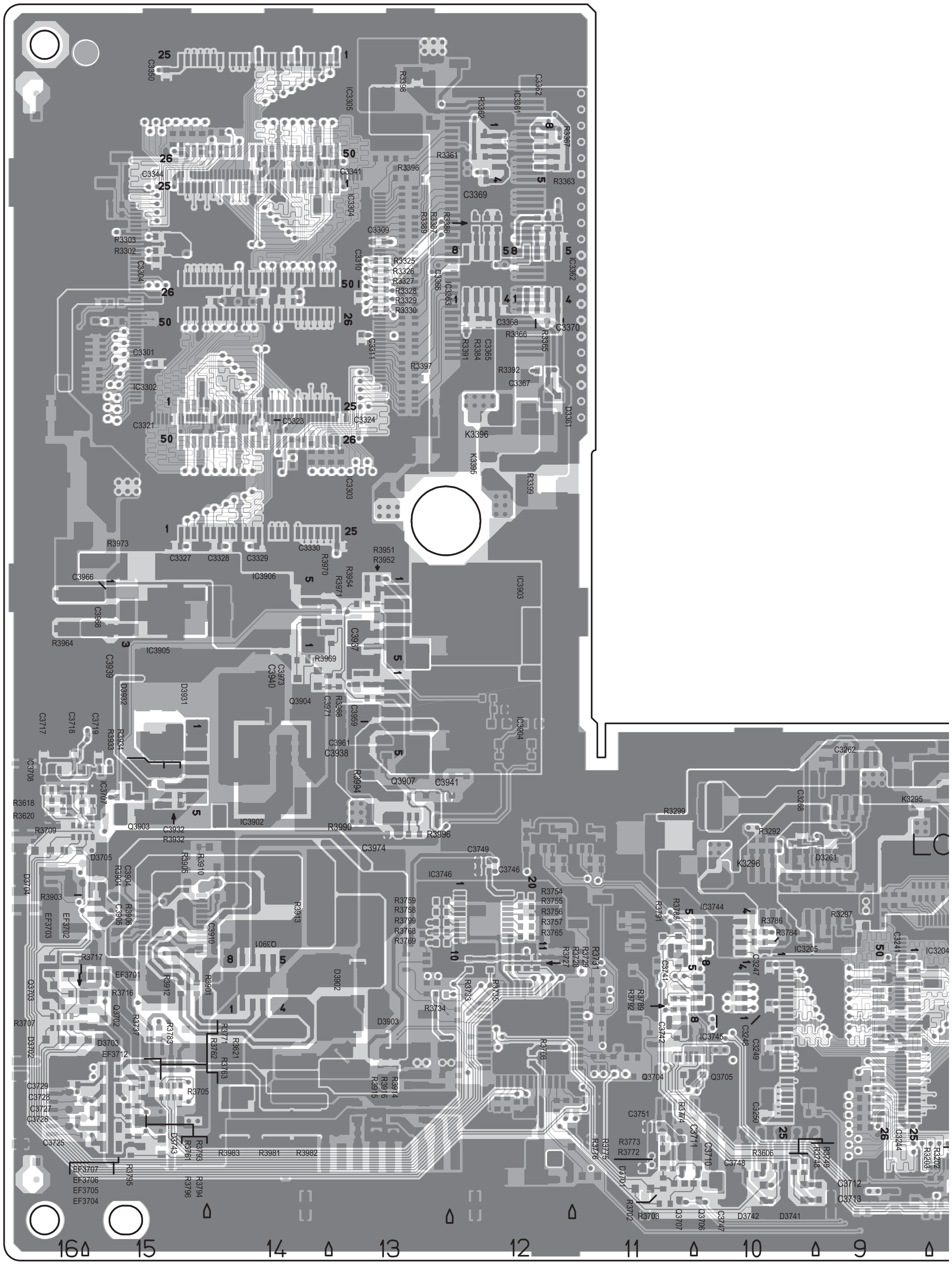
*DIGITAL PWB PATTERN [PARTS SIDE]*

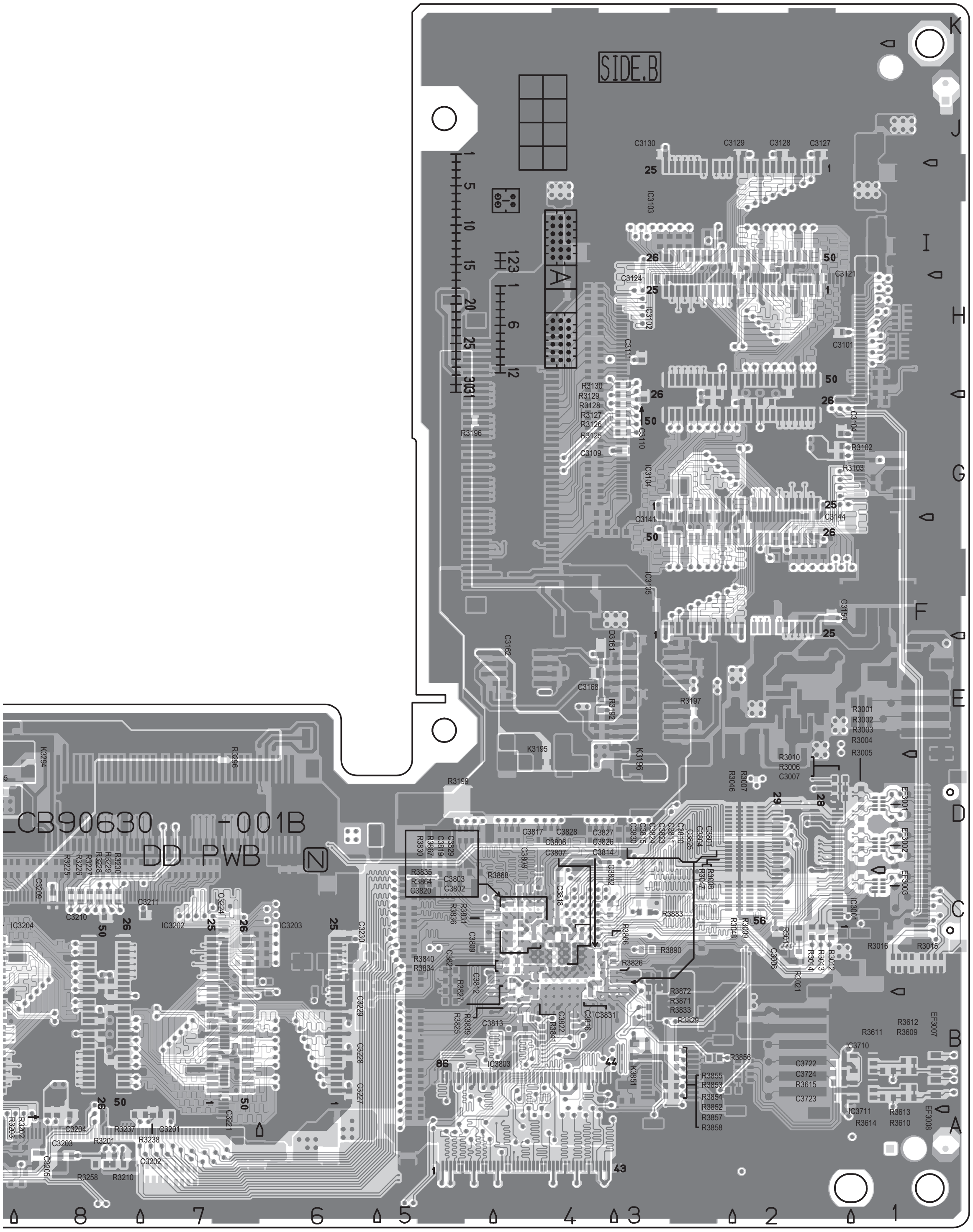

SIDE.A
SIZE:188x155
J
G
F
E
D
C
B
A
CN002
IC7201
IC6250
IC6401
J7601
X6401
CN2225W
CN0C1
CN0MM
SFL-0D00A
SRA-0D00A
DIGITAL PB ASSY
LCA10599-
PbF
1
2
3
4
5
6
7


CN001
CN0FC
CN0DC
CN000W
CN0LV2
CN0ID
IC7301
IC7302
IC7303
IC7305
IC8831
IC8833
IC9001
IC9201
IC6102
IC6103
IC6504
IC6502
IC9101
7
8
9
10
11
12
13

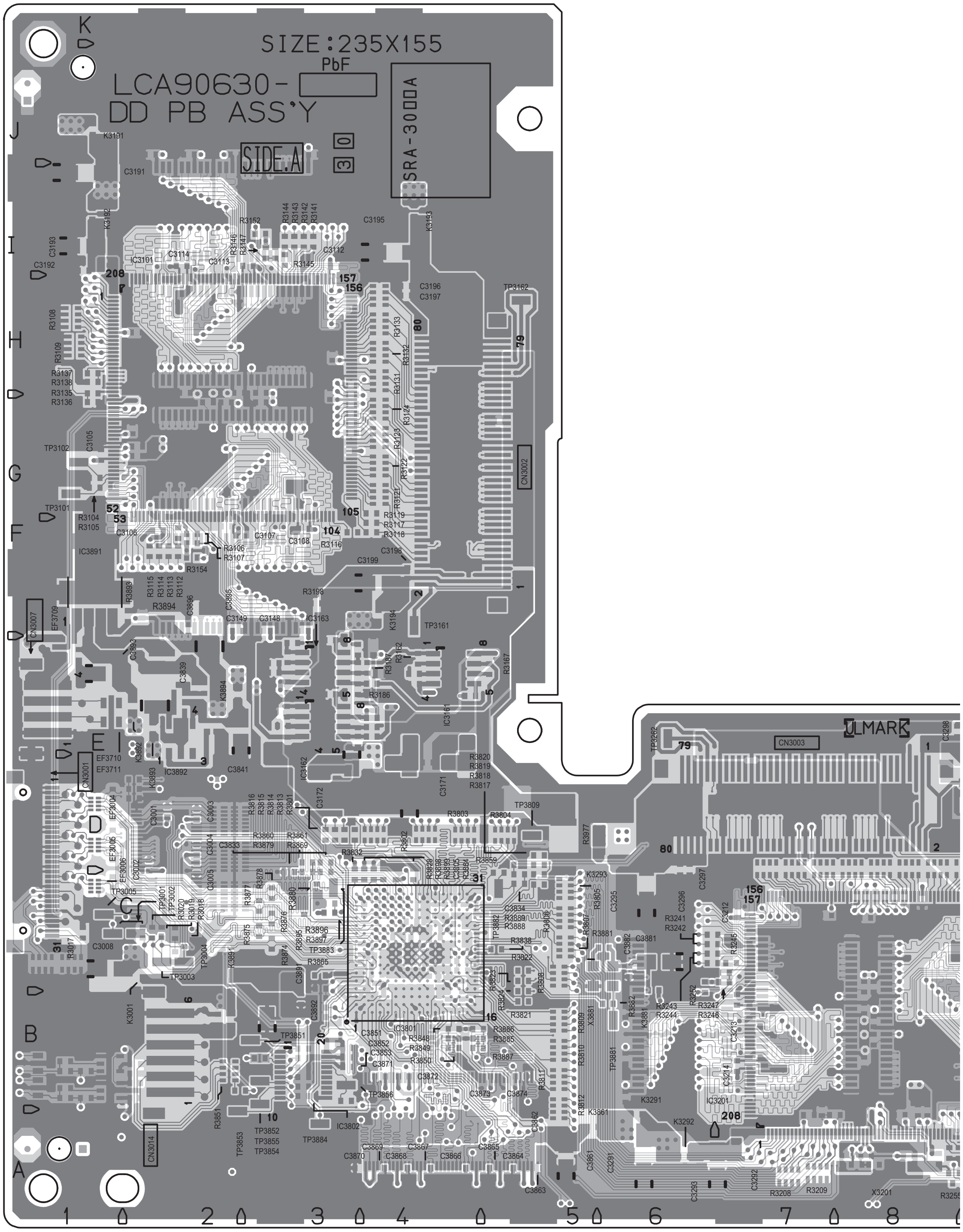

FRONT
TOP

FRONT


IC3305
IC3304
IC3302
IC3361
IC3363
IC3906
IC3905
IC3903
IC3904
IC3902
IC3901
IC3746
IC3744
IC3745
IC3205
IC3204
IC3708
K3396
K3395
K3296
K3295
16
15
14
13
12
11
10
9


SIDE.B
LCB90630 -001B
DD PWB
N
A
K
J
I
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
IC3103
IC3104
IC3001
IC3803
IC3710
IC3711
IC3202
IC3204
C3130
C3129
C3128
C3127
C3124
C3121
C3102
C3101
C3111
C3110
C3109
C3104
C3141
C3144
C3105
C3150
C3162
C3168
D3161
R3192
R3197
K3195
K3196
R3196
R3130
R3129
R3128
R3127
R3126
R3125
R3102
R3103
R3001
R3002
R3003
R3004
R3005
R3010
R3006
C3007
R3046
R3007
R3199
EF3001
EF3002
EF3003
EF3007
EF3008
R3883
R3890
R3826
R3872
R3871
R3833
R3829
R3856
R3855
R3853
R3854
R3852
R3857
R3858
C3831
C3813
C3822
C3816
R3016
R3015
R3611
R3612
R3609
C3722
C3724
R3615
C3723
R3613
R3614
R3610
C3203
C3211
C3210
C3209
C3204
C3201
C3202
C3205
R3201
R3237
R3238
R3258
R3210
R3296
K3294
C3221
C3227
C3228
C3229
C3230

*DRIVE PWB PATTERN [PARTS SIDE]*


SIZE:235X155
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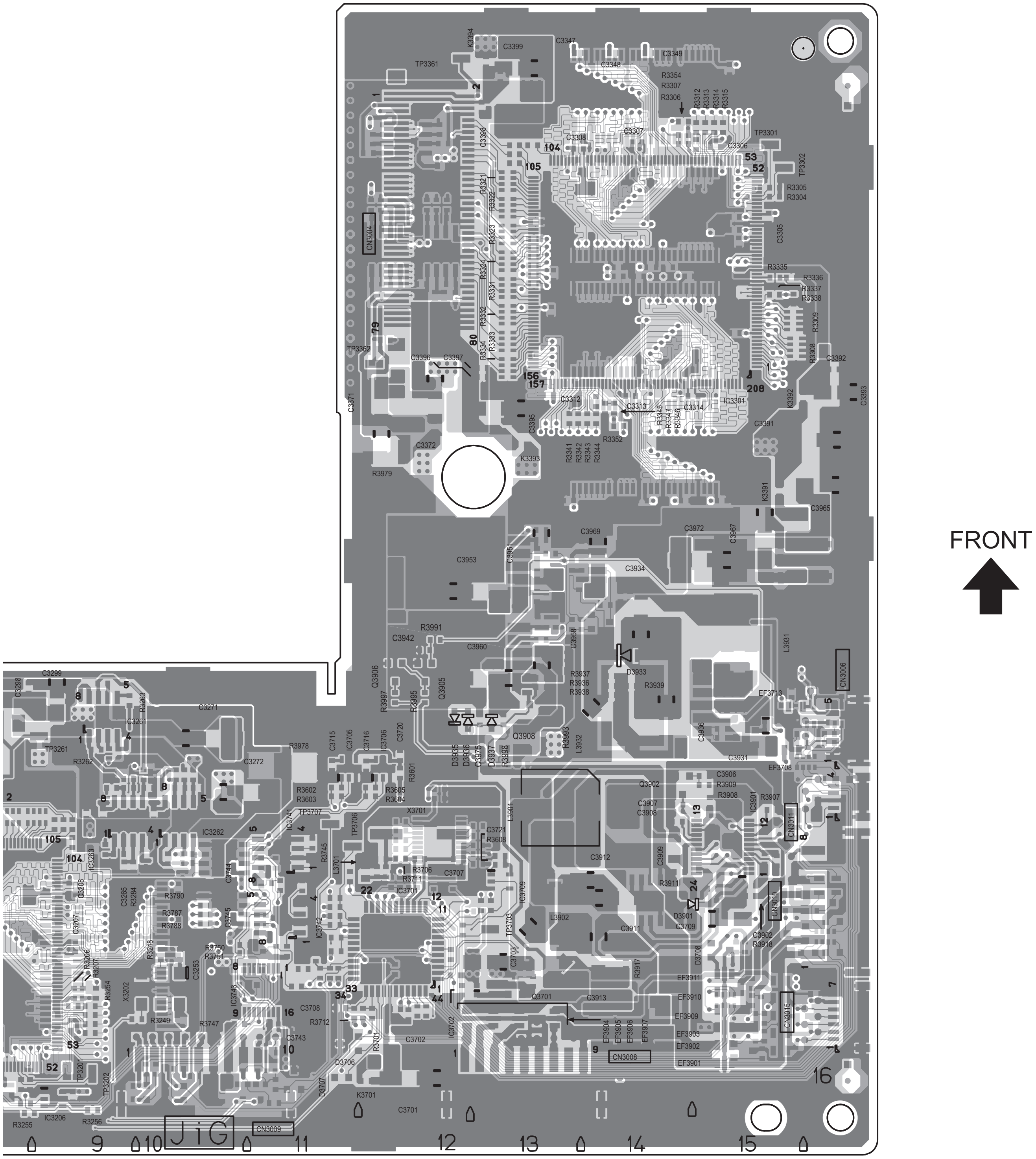
LCA90630-
DD PB ASS'Y
SIDE.A
3 0
SRA-30□□A
LMARK
IC3101
IC3161
IC3162
IC3801
IC3802
IC3891
IC3892
IC3201
CN3001
CN3002
CN3003
CN3007
CN3014
K
J
I
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8



FRONT
K3394
C3399
C3347
C3348
C3349
TP3361
R3354
R3307
R3306
R3312
R3313
R3314
R3315
TP3301
TP3302
C3307
C3308
C3306
104
105
53
52
C3398
R3321
R3322
R3323
R3324
R3331
R3332
R3333
R3334
R3305
R3304
C3305
CN3004
R3335
R3336
R3337
R3338
R3309
R3308
C3392
C3393
79
80
TP3362
C3396
C3397
156
157
208
C3371
C3312
C3313
C3314
R3345
R3347
R3346
IC3301
K3392
C3391
C3395
R3352
R3341
R3342
R3343
R3344
C3372
K3393
R3979
K3391
C3965
C3969
C3972
C3967
C3953
C3951
C3934
R3991
C3942
C3960
C3958
D3933
R3937
R3936
R3938
R3939
L3931
CN3006
EF3713
Q3906
Q3905
R3997
R3995
D3935
D3936
C3975
D3937
R3998
Q3908
R3993
L3932
C3936
C3931
EF3708
C3299
C3298
C3271
IC3261
C3263
TP3261
R3262
C3272
IC3262
R3978
C3715
IC3705
C3716
C3706
C3720
R3601
R3602
R3603
R3605
R3604
TP3707
X3701
TP3708
IC3711
L3701
R3745
C3721
R3608
R3706
C3707
R3711
IC3701
22
12
11
C3709
TP3703
L3901
Q3902
C3906
R3909
R3908
C3807
C3903
IC3901
R3907
CN3011
C3912
C3909
R3911
D3901
C3709
CN3010
C3902
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L3902
C3911
C3710
D3708
R3917
EF3911
EF3910
EF3909
EF3903
EF3902
EF3901
C3913
Q3701
C3702
EF3904
EF3905
EF3906
EF3907
CN3008
CN3015
105
104
IC3263
C3208
C3265
R3284
R3790
R3787
R3788
C3744
C3745
IC3742
C3207
R3248
R3750
R3751
C3253
R3206
R3207
R3254
X3202
IC3743
R3249
R3747
C3708
R3712
C3743
34
33
44
R3701
D3706
53
52
TP3201
TP3202
D3707
K3701
C3701
R3255
IC3206
R3256
JiG
CN3009
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10
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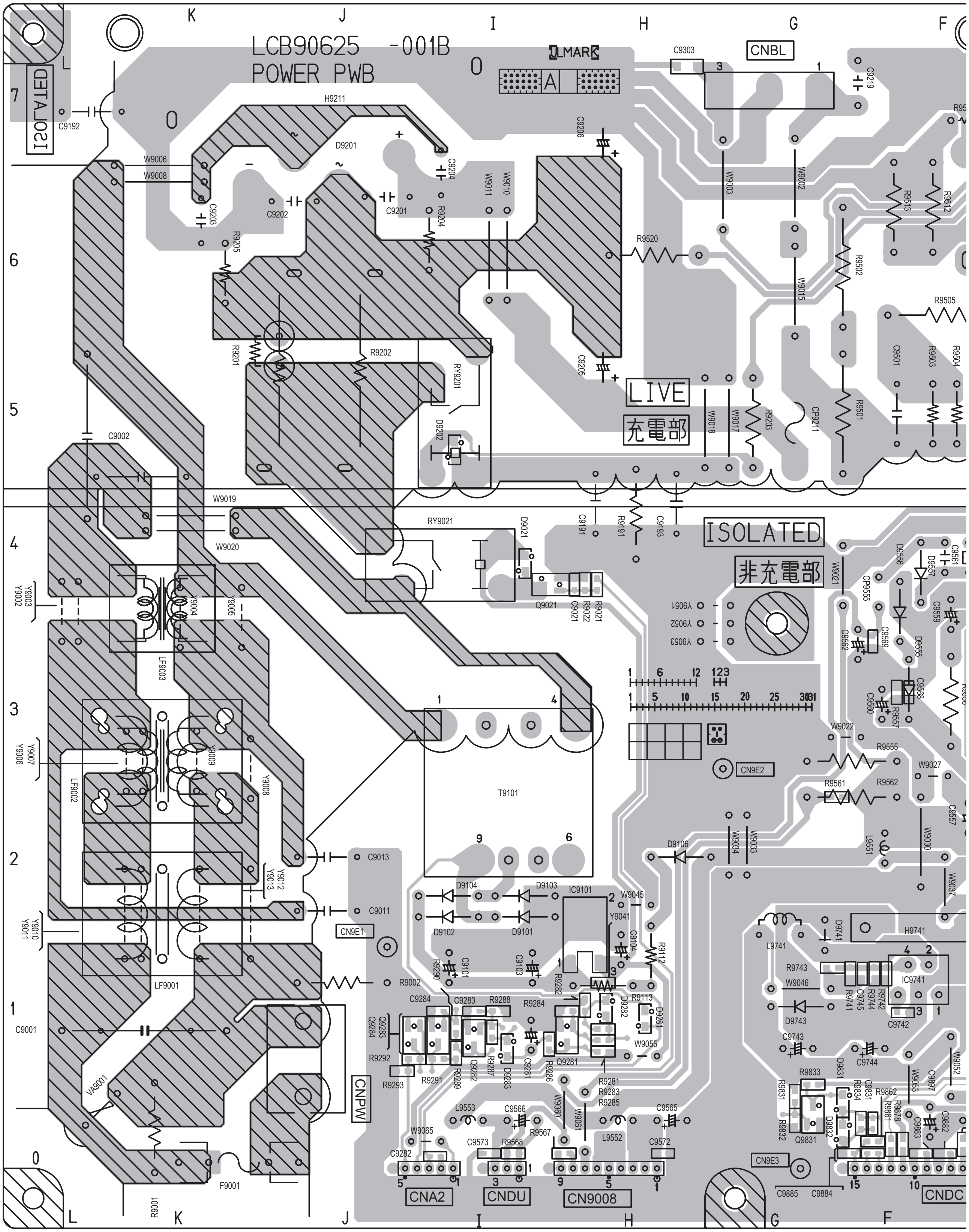
12
13
14
15
16

*POWER PWB PATTERN [SOLDER SIDE]*



LCB90625 -001B
POWER PWB
K
J
I
H
G
F
L
7
6
5
4
3
2
1
0
ISOLATED
LIVE
充電部
非充電部
CNBL
C9303
C9219
C9192
H9211
D9201
C9204
C9203
C9202
C9201
R9204
R9205
W9006
W9008
W9011
W9010
C9206
W9003
W9002
R9513
R9512
R9520
R9502
W9015
R9505
R9201
R9202
RY9201
D9202
C9205
W9018
W9017
R9203
CP9211
C9501
R9503
R9504
R9501
C9002
W9019
W9020
RY9021
D9021
C9191
R9191
C9193
Q9021
C9021
R9022
R9021
W9021
D9556
D9557
C9561
CP9555
C9559
C9562
C9569
D9555
Y9051
Y9052
Y9053
Y9002
Y9003
Y9004
Y9005
LF9003
Y9006
Y9007
Y9009
Y9008
LF9002
C9568
C9560
R9557
W9022
R9555
W9027
R9561
R9562
CN9E2
C9557
T9101
W9034
W9033
D9106
L9551
W9030
W9037
C9013
C9011
Y9012
Y9013
Y9010
Y9011
CN9E1
D9104
D9103
D9102
D9101
IC9101
W9045
Y9041
C9104
R9112
C9101
C9103
R9290
R9282
R9002
LF9001
C9001
C9284
C9283
R9288
R9284
R9113
D9282
D9281
Q9283
Q9284
R9292
R9291
R9289
Q9282
R9287
D9283
C9281
R9286
Q9281
W9055
R9293
R9281
R9283
R9285
VA9001
CNPW
L9553
C9566
W9060
W9061
C9565
R9567
W9065
L9552
C9282
C9573
R9568
C9572
R9001
F9001
CNA2
CNDU
CN9008
D9741
H9741
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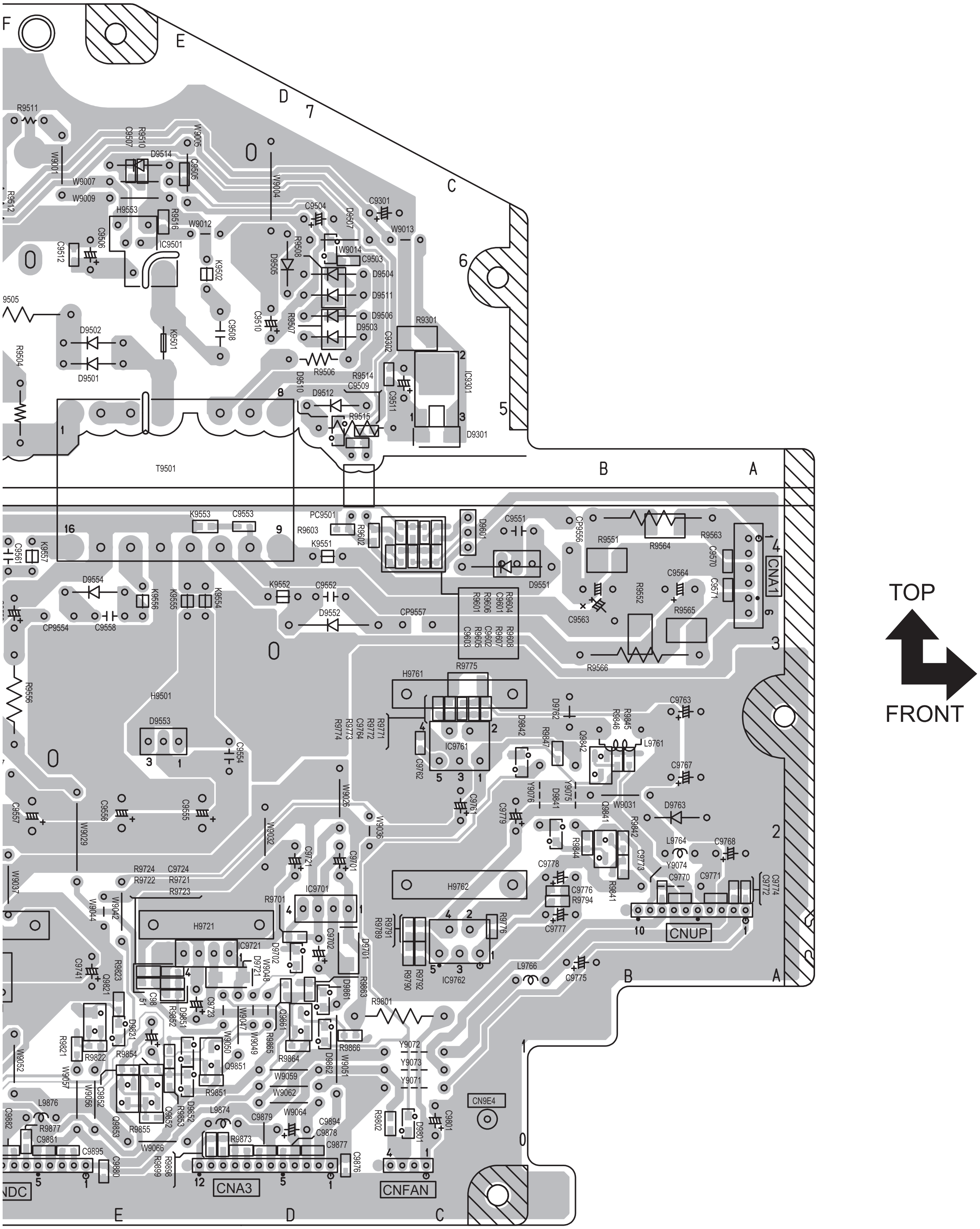
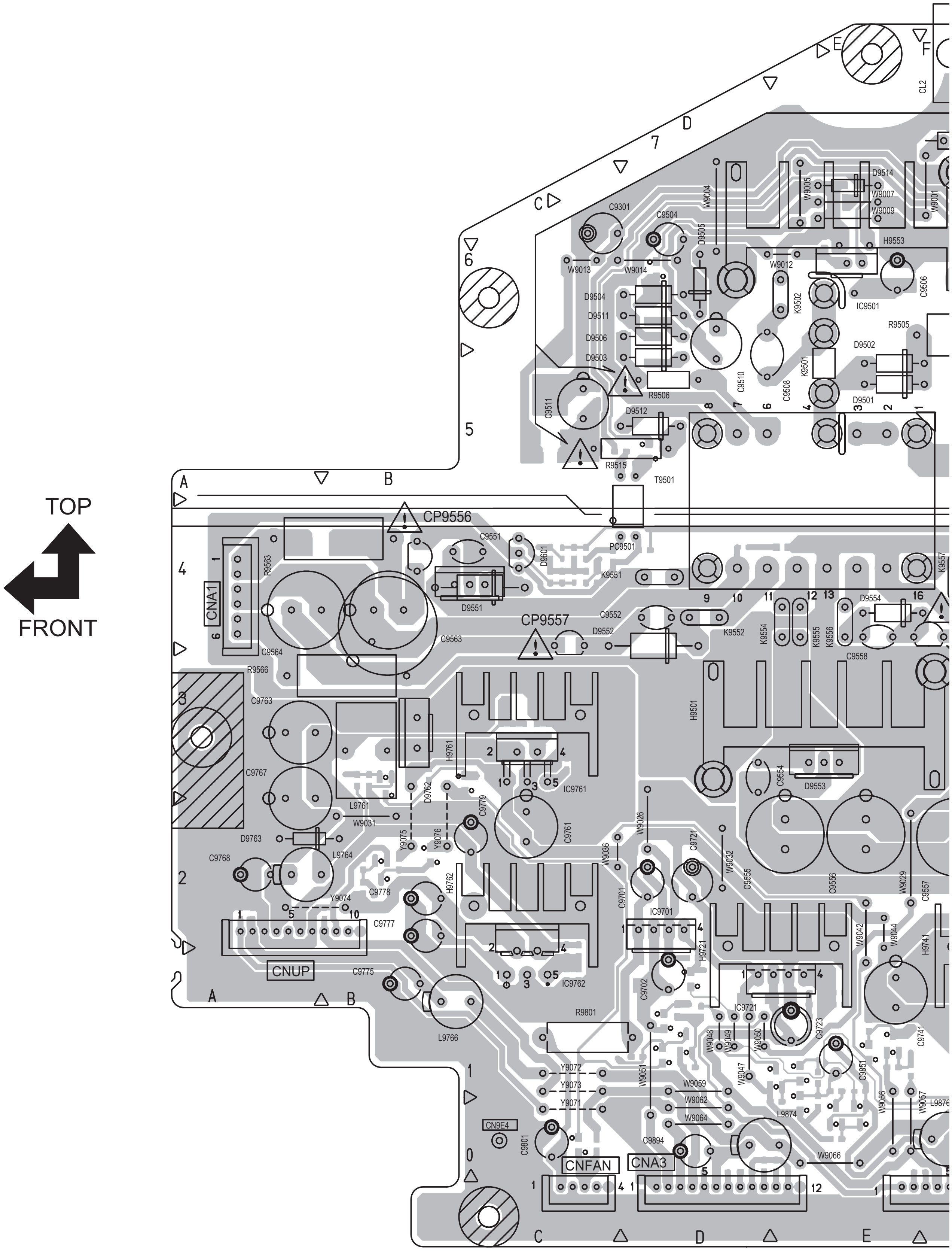
W9046
C9745
R9744
R9742
R9741
IC9741
D9743
C9742
C9743
C9744
W9062
R9833
D9831
W9063
C9897
R9831
R9834
C9831
R9862
R9861
R9878
C9883
C9882
R9832
D9832
Q9831
CN9E3
C9885
C9884
CNDC

CAUTION :
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S)
AND ROHM'S MFR'S TYPE CP(S).



TOP
FRONT
T9501
IC9301
D9301
CNA1
H9761
IC9761
H9762
IC9762
H9721
IC9721
IC9701
IC9501
CNUP
CNA3
CNFAN
CN9E4
A
B
C
D
E
F
1
2
3
4
5
6
7

## POWER PWB PATTERN [PARTS SIDE]



TOP
FRONT
A
B
C
D
E
F
0
1
2
3
4
5
6
7
CL2
D9514
W9007
W9009
W9005
W9001
W9004
C9301
C9504
D9505
H9553
W9013
W9014
W9012
D9504
D9511
D9506
D9503
K9502
IC9501
C9506
R9505
D9502
C9510
C9508
K9501
C9511
R9506
D9512
D9501
R9515
T9501
CP9556
C9551
D9601
PC9501
K9551
R9563
CNA1
D9551
CP9557
C9552
D9552
K9552
K9554
K9555
K9556
D9554
K9557
C9564
C9563
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R9566
C9763
H9501
H9761
IC9761
C9767
L9761
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C9779
W9031
C9761
D9554
D9553
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C9721
W9036
W9032
C9768
L9764
C9556
W9029
C9557
Y9074
C9778
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IC9701
W9042
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H9741
C9777
H9721
CNUP
C9775
IC9762
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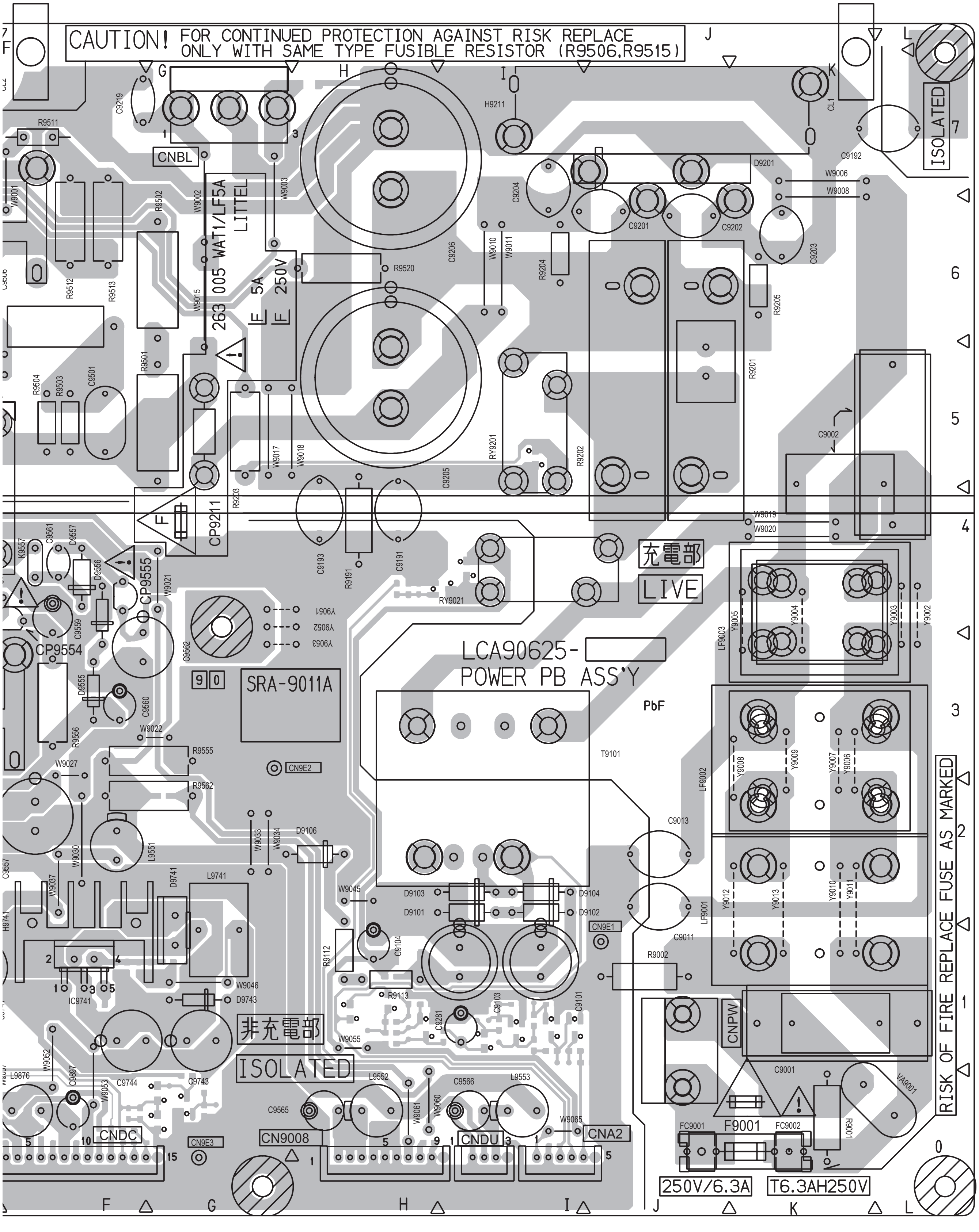
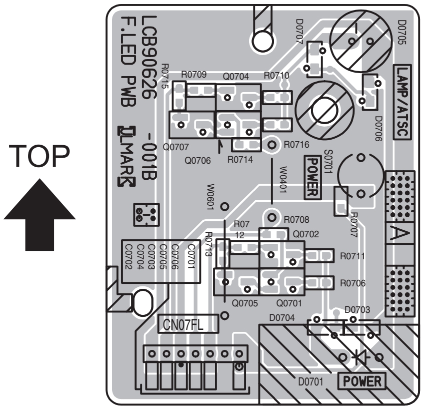
W9059
Y9073
W9062
W9056
W9057
L9876
Y9071
W9064
L9874
CN9E4
C9801
C9894
W9066
CNFAN
CNA3
12

CAUTION :
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S)
AND ROHM'S MFR'S TYPE CP(S).

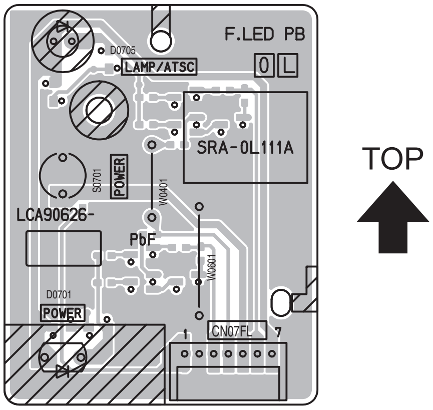


CAUTION! FOR CONTINUED PROTECTION AGAINST RISK REPLACE ONLY WITH SAME TYPE FUSIBLE RESISTOR (R9506,R9515)
ISOLATED
RISK OF FIRE REPLACE FUSE AS MARKED
LCA90625-
POWER PB ASS'Y
PbF
SRA-9011A
充電部
LIVE
非充電部
ISOLATED
263 005 WAT1/LF5A
LITTEL
5A
250V
F
F
CNBL
CP9211
CP9555
CP9554
T9101
F9001
FC9001
FC9002
250V/6.3A
T6.3AH250V
CNPW
CNDC
CN9008
CNDU
CNA2
CN9E1
CN9E2
CN9E3
IC9741
D9201
D9101
D9102
D9103
D9104
D9106
D9743
LF9001
LF9002
LF9003
RY9201
RY9021
C9001
C9002
C9013
C9011
C9201
C9202
C9203
C9204
C9205
C9206
C9191
C9192
C9193
C9219
R9002
R9201
R9202
R9204
R9205
R9520
R9555
R9562
R9112
R9113
VA9001
L9741
L9551
L9552
L9553
F
G
H
I
J
K
L
1
2
3
4
5
6
7

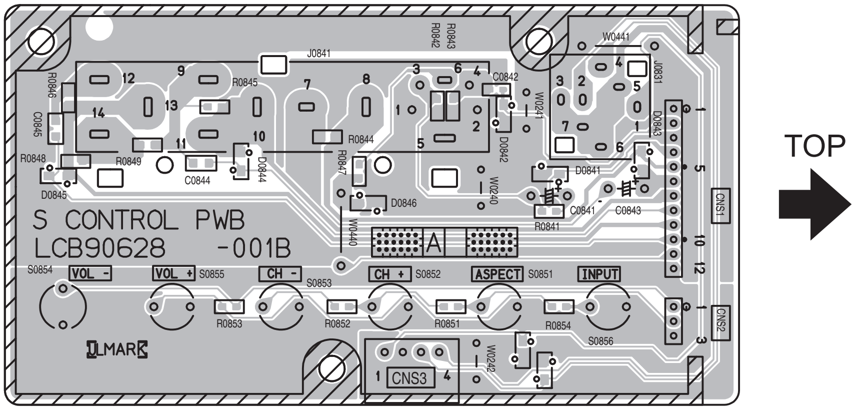
## *FRONT LED PWB PATTERN [SOLDER SIDE]*


TOP
LCB90626 -001B
F.LED PWB
LMARK
D0707
D0705
R0716
R0709
Q0704
R0710
LAMP/ATSC
D0706
Q0707
Q0706
R0714
R0716
S0701
POWER
W0401
W0601
R0708
R07 12
Q0702
R0707
R0713
A
C0702 C0704 C0703 C0705 C0706 C0701
R0711
R0706
Q0705
Q0701
D0703
D0704
CN07FL
D0701
POWER

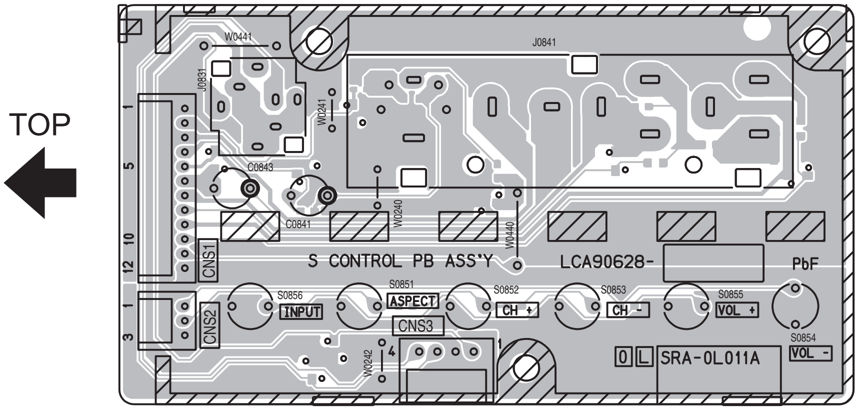
## *FRONT LED PWB PATTERN [PARTS SIDE]*


F.LED PB
0L
D0705
LAMP/ATSC
SRA-0L111A
S0701
POWER
W0401
LCA90626-
PbF
W0601
D0701
POWER
1
CN07FL
7
TOP

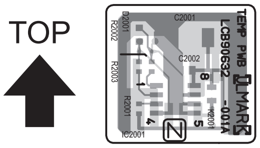
## *SIDE CONTROL PWB PATTERN [SOLDER SIDE]*


R0843
R0842
W0441
J0841
J0831
R0846
12
9
R0845
7
8
3
6
4
C0842
3
2
4
5
C0845
14
13
1
2
W0241
0
0
0
D0843
1
R0848
R0849
11
10
R0844
5
D0842
7
6
C0844
D0844
R0847
D0841
5
D0845
W0240
D0846
R0841
C0841
C0843
CNS1
S CONTROL PWB
LCB90628 -001B
W0440
A
10
12
S0854
VOL -
VOL +
S0855
CH -
S0853
CH +
S0852
ASPECT
S0851
INPUT
1
CNS2
3
R0853
R0852
R0851
R0854
S0856
LMARK
W0242
1
CNS3
4
TOP

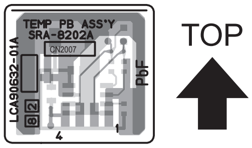
## *SIDE CONTROL PWB PATTERN [PARTS SIDE]*


W0441
J0841
TOP
J0831
1
W0241
5
C0843
C0841
W0240
10
W0440
12
CNS1
S CONTROL PB ASS'Y
LCA90628-
PbF
1
S0856
INPUT
S0851
ASPECT
S0852
CH +
S0853
CH -
S0855
VOL +
3
CNS2
CNS3
S0854
W0242
4
0L
SRA-0L011A
VOL -

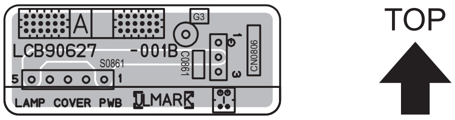
TEMP PWB PATTERN
[SOLDER SIDE]


TOP
TEMP PWB
LCB90632 -001A
C2001
C2002
D2001
R2002
R2003
R2001
IC2001
N

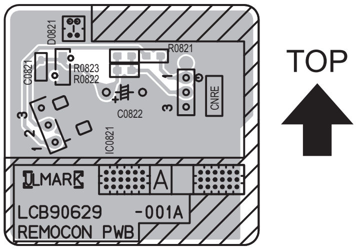
TEMP PWB PATTERN
[PARTS SIDE]


TEMP PB ASS'Y
SRA-8202A
QN2007
LCA90632-01A
PbF
TOP

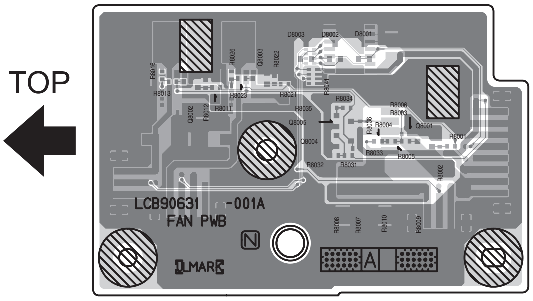
LAMP COVER PWB PATTERN


A
G3
LCB90627 -001B
S0861
C0861
CN0806
LAMP COVER PWB
TOP

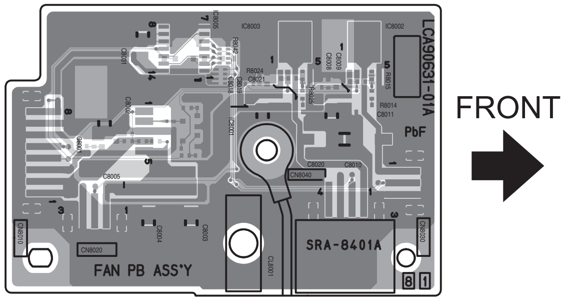
REMOCON PWB PATTERN


D0821
R0821
C0821
R0823
R0822
C0822
IC0821
CNRE
LCB90629 -001A
REMOCON PWB
A
TOP

FAN PWB PATTERN [SOLDER SIDE]


TOP
LCB90631 -001A
FAN PWB
N
A

FAN PWB PATTERN [PARTS SIDE]


IC8003
IC8002
LCA90631-01A
PbF
FRONT
CN8040
CN8020
FAN PB ASS'Y
SRA-8401A

# VOLTAGE CHARTS

<ANALOG PWB>

[P.2-9 - P.2-10]

| MODE PIN NO. | DC (V) |
|---|---|
| IC101 | |
| 1 | 4.5 |
| 2 | 4.5 |
| 3 | 0 |
| 4 | 4.5 |
| 5 | 4.5 |
| 6 | 0 |
| 7 | 4.5 |
| 8 | 4.5 |
| 9 | 0 |
| 10 | 4.5 |
| 11 | 4.5 |
| 12 | 0 |
| 13 | 4.5 |
| 14 | 4.5 |
| 15 | 4.5 |
| 16 | 4.5 |
| 17 | 4.5 |
| 18 | 9 |
| 19 | 4.5 |
| 20 | 4.5 |
| 21 | 0 |
| 22 | 4.5 |
| 23 | 4.5 |
| 24 | 0 |
| 25 | 4.5 |
| 26 | 4.5 |
| 27 | 0 |
| 28 | 4.5 |
| 29 | 4.5 |
| 30 | 9 |
| 31 | 0 |
| 32 | 4.5 |
| 33 | 4.5 |
| 34 | 4.5 |
| 35 | 4.5 |
| 36 | 4.5 |
| 37 | 1.4 |
| 38 | 1.9 |
| 39 | 1.4 |
| 40 | 1.9 |
| 41 | 0 |
| 42 | 2.1 |
| 43 | 1.6 |
| 44 | 5 |
| 45 | 1.9 |
| 46 | 0 |
| 47 | 2 |
| 48 | 5 |
| 49 | 1.9 |
| 50 | 1.6 |
| 51 | 0.1 |
| 52 | 5 |
| 53 | 4.9 |
| 54 | 4.9 |
| 55 | 2.5 |
| 56 | 2.1 |
| 57 | 2.5 |
| 58 | 2.1 |
| 59 | 2.1 |
| 60 | 2.5 |
| 61 | 5 |
| 62 | 2.5 |
| 63 | 0.2 |
| 64 | 2.1 |
| 65 | 0 |
| 66 | 2.5 |
| 67 | 4.9 |
| 68 | 2.5 |
| 69 | 0.2 |
| 70 | 2.1 |
| 71 | 4.9 |
| 72 | 2.5 |
| 73 | 4.9 |
| 74 | 2.5 |
| 75 | 0 |
| 76 | 0 |
| 77 | 2.1 |
| 78 | 1.4 |
| 79 | 2.8 |
| 80 | 5 |
| 81 | 2.3 |
| 82 | 0 |
| 83 | 2.8 |
| 84 | 0 |
| 85 | 2.5 |
| 86 | 4.6 |
| 87 | 2.5 |
| 88 | 2.2 |
| 89 | 2.1 |
| 90 | 0 |
| 91 | 2.5 |
| 92 | 2.8 |
| 93 | 2.5 |
| 94 | 0.2 |
| 95 | 2.1 |
| 96 | 4.5 |
| 97 | 2.5 |
| 98 | 4.8 |
| 99 | 2.5 |
| 100 | 2.5 |
| IC102 | |
| 1 | 0 |
| 2 | 2.4 |
| 3 | 2.5 |
| 4 | 2.4 |
| 5 | 2.4 |
| 6 | 2.5 |
| 7 | 2.5 |
| 8 | 2.4 |
| 9 | 0 |
| 10 | 2.4 |
| 11 | 2.2 |
| 12 | 2.4 |
| 13 | 0 |
| 14 | 0.3 |
| 15 | 0.3 |
| 16 | 0 |
| 17 | 2.4 |
| 18 | 0 |
| 19 | 2.4 |
| 20 | 0 |
| 21 | 2.4 |
| 22 | 0 |
| 23 | 0 |
| 24 | 0.1 |
| 25 | 5 |
| 26 | 0 |
| 27 | 4 |
| 28 | 3.9 |
| 29 | 0 |
| 30 | 1.8 |
| 31 | 6.3 |
| 32 | 1.8 |
| 33 | 0 |
| 34 | 1.2 |
| 35 | 0 |
| 36 | 3.4 |
| 37 | 4.1 |
| 38 | 3.4 |
| 39 | 1.7 |
| 40 | 6.4 |
| 41 | 1.8 |
| 42 | 2.9 |
| 43 | 1.8 |
| 44 | 0 |
| 45 | 1.3 |
| 46 | 2.8 |
| 47 | 2.5 |
| 48 | 2.5 |
| 49 | 3.9 |
| 50 | 6.4 |
| 51 | 4.9 |
| 52 | 1.9 |
| 53 | 1.9 |
| 54 | 3 |
| 55 | 2.4 |
| 56 | 2.5 |
| 57 | 2.5 |
| 58 | 0 |
| 59 | 0 |
| 60 | 2.2 |
| 61 | 0 |
| 62 | 0 |
| 63 | 2.5 |
| 64 | 2.5 |
| 65 | 2.5 |
| 66 | 2.5 |
| 67 | 2.5 |
| 68 | 2.4 |
| 69 | 2.5 |
| 70 | 2.4 |
| 71 | 4.9 |
| 72 | 2.4 |
| 73 | 4.9 |
| 74 | 2.4 |
| 75 | 0.1 |
| 76 | 0.6 |
| 77 | 0.1 |
| 78 | 2.4 |
| 79 | 4.6 |
| 80 | 2.4 |
| 81 | 4.6 |
| 82 | 2.4 |
| 83 | 0.3 |
| 84 | 0.6 |
| 85 | 0.5 |
| 86 | 2.4 |
| 87 | 5 |
| 88 | 2.4 |
| 89 | 2.8 |
| 90 | 2.4 |
| 91 | 0 |
| 92 | 0.6 |
| 93 | 5 |
| 94 | 2.4 |
| 95 | 0 |
| 96 | 2.4 |
| 97 | 0 |
| 98 | 2.4 |
| 99 | 0 |
| 100 | 4.6 |
| Q106 | |
| S | 0.1 |
| D | 0.1 |
| G | 0 |
| Q107 | |
| S | 3.2 |
| D | 5 |
| G | 3.3 |
| Q108 | |
| E | 0 |
| C | 4.5 |
| B | 2.5 |
| Q109 | |
| E | 2.6 |
| C | 0 |
| B | 1.9 |
| Q110 | |
| E | 2.2 |
| C | 0 |
| B | 1.4 |
| Q111 | |
| E | 2.2 |
| C | 0 |
| B | 1.4 |
| Q112 | |
| E | 1.7 |
| C | 0 |
| B | 1 |
| Q113 | |
| E | 0 |
| C | 5 |
| B | 2.9 |

[P.2-13 - P.2-14]

| MODE PIN NO. | DC (V) |
|---|---|
| IC381 | |
| 1 | 0 |
| 2 | 5 |
| 3 | 0.1 |
| 4 | 0 |
| 5 | 0.1 |
| 6 | 0.1 |
| 7 | 0 |
| 8 | 0 |
| 9 | 0.2 |
| 10 | 0.2 |
| 11 | 0.2 |
| 12 | 0.9 |
| 13 | 0.2 |
| 14 | 0.9 |
| 15 | 5 |
| 16 | 4.9 |

[P.2-17 - P.2-18]

| MODE PIN NO. | DC (V) |
|---|---|
| IC601 | |
| 1 | 6 |
| 2 | 6.1 |
| 3 | 6.1 |
| 4 | 6.1 |
| 5 | 6.1 |
| 6 | 6.1 |
| 7 | 0.7 |
| 8 | 6.1 |
| 9 | 6.1 |
| 10 | 6.1 |
| 11 | 1.1 |
| 12 | 0 |
| 13 | 1 |
| 14 | 6.1 |
| 15 | 0 |
| 16 | 5.2 |
| 17 | 0.1 |
| 18 | 5 |
| 19 | 0 |
| 20 | 12.1 |
| 21 | 5.9 |
| 22 | 0 |
| 23 | 0 |
| 24 | 4.9 |
| 25 | 3.9 |
| 26 | 4.7 |
| 27 | 4.7 |
| 28 | 6.1 |
| 29 | 6.1 |
| 30 | 6.1 |
| 31 | 6.1 |
| 32 | 6.1 |
| 33 | 6.1 |
| 34 | 0 |
| 35 | 0 |
| 36 | 6.1 |
| 37 | 6.1 |
| 38 | 0 |
| 39 | 6.1 |
| 40 | 6.1 |
| 41 | 6.1 |
| 42 | 6.1 |
| 43 | 6.1 |
| 44 | 6 |
| 45 | 6 |
| 46 | 6 |
| 47 | 6.1 |
| 48 | 6.1 |
| IC602 | |
| 1 | 14.4 |
| 2 | 2.8 |
| 3 | 12.1 |
| 4 | 2.6 |
| 5 | 0 |
| IC603 | |
| 1 | 5.9 |
| 2 | 4.7 |
| 3 | 4.8 |
| 4 | 0 |
| 5 | 6 |
| 6 | 6.1 |
| 7 | 8 |
| 8 | 11.7 |
| IC605 | |
| 1 | -15.4 |
| 2 | -15.4 |
| 3 | -15.4 |
| 4 | -15.4 |
| 5 | 14.4 |
| 6 | 10.3 |
| 7 | 1.6 |
| 8 | -15.4 |
| 9 | -15.4 |
| 10 | -15.4 |
| 11 | 1.5 |
| 12 | 10.2 |
| 13 | 14.4 |
| 14 | -14.4 |
| 15 | -13.7 |
| 16 | -15.1 |
| 17 | -15.3 |
| IC606 | |
| 1 | 0 |
| 2 | 5 |
| 3 | 0.1 |
| 4 | 5 |
| 5 | 4.9 |
| 6 | 0 |
| 7 | 0 |
| 8 | 0 |
| 9 | 4.8 |
| 10 | 4.9 |
| 11 | 0 |
| 12 | 5 |
| 13 | 5 |
| 14 | 0 |
| 15 | 0 |
| 16 | 5 |
| IC607 | |
| 1 | -15.3 |
| 2 | 0 |
| 3 | 0 |
| 4 | -15.4 |
| 5 | 0 |
| 6 | 0.1 |
| 7 | -15.3 |
| 8 | 13.6 |
| IC610 | |
| 1 | 6.2 |
| 2 | 6.1 |
| 3 | 6.1 |
| 4 | 0 |
| 5 | 6.1 |
| 6 | 6.1 |
| 7 | 6.2 |
| 8 | 12.2 |
| Q603 | |
| E | 0 |
| C | 0 |
| B | 0.6 |
| Q604 | |
| E | 0 |
| C | 12.1 |
| B | 8 |
| Q605 | |
| E | 0 |
| C | 0 |
| B | 4.4 |
| Q606 | |
| E | 0 |
| C | 14.3 |
| B | 0 |
| Q607 | |
| E | -14.4 |
| C | -14.3 |
| B | -14.3 |
| Q614 | |
| E | 11.5 |
| C | 0 |
| B | 11.9 |

[P.2-19 - P.2-20]

| MODE PIN NO. | DC (V) |
|---|---|
| IC902 | |
| 1 | 3.3 |
| 2 | 0 |
| 3 | 4.9 |
| Q901 | |
| E | 9 |
| C | 9 |
| B | 9.7 |
| Q902 | |
| E | 5 |
| C | 5 |
| B | 5.7 |

<DIGITAL PWB>

[P.2-21 - P.2-22]

| MODE PIN NO. | DC (V) |
|---|---|
| Q7501 | |
| E | 0 |
| C | 1 |
| B | 2.1 |

[P.2-27 - P.2-28]

| MODE PIN NO. | DC (V) |
|---|---|
| IC6401 | |
| 1 | 0 |
| 2 | 0 |
| 3 | 0 |
| 4 | 2 |
| 5 | 0 |
| 6 | 3.6 |
| 7 | 2 |
| 8 | 0 |
| 9 | 2.1 |
| 10 | 0 |
| 11 | 3.6 |
| 12 | 0.2 |
| 13 | 0 |
| 14 | 0.7 |
| 15 | 0 |
| 16 | 2.1 |
| 17 | 0 |
| 18 | 3.6 |
| 19 | 2 |
| 20 | 3.6 |
| 21 | 0 |
| 22 | 2.2 |
| 23 | 0 |
| 24 | 2.2 |
| 25 | 0 |
| 26 | 0.7 |
| 27 | 0 |
| 28 | 2.2 |
| 29 | 3.6 |
| 30 | 0 |
| 31 | 2.1 |
| 32 | 0.1 |
| 33 | 2.7 |
| 34 | 0 |
| 35 | 3.6 |
| 36 | 0 |
| 37 | 0 |
| 38 | 3.6 |
| 39 | 2 |
| 40 | 0 |
| 41 | 0 |
| 42 | 2.1 |
| 43 | 0 |
| 44 | 3.6 |
| 45 | 0 |
| 46 | 3.6 |
| 47 | 2.2 |
| 48 | 0 |
| 49 | 0.2 |
| 50 | 3.6 |
| 51 | 0 |
| 52 | 2.1 |
| 53 | 0 |
| 54 | 3.6 |
| 55 | 0 |
| 56 | 0 |
| 57 | 0 |
| 58 | 0 |
| 59 | 0 |
| 60 | 0 |
| 61 | 0 |
| 62 | 0 |
| 63 | 0 |
| 64 | 2.1 |
| 65 | 3.7 |
| 66 | 0 |
| 67 | 3.7 |
| 68 | 1.1 |
| 69 | 0 |
| 70 | 0 |
| 71 | 0 |
| 72 | 0.2 |
| 73 | 0 |
| 74 | 0 |
| 75 | 0.8 |
| 76 | 0 |
| 77 | 0 |
| 78 | 0 |
| 79 | 0 |
| 80 | 0 |
| 81 | 0 |
| 82 | 0 |
| 83 | 0 |
| 84 | 0 |
| 85 | 0 |
| 86 | 0 |
| 87 | 0 |
| 88 | 0 |
| 89 | 3.7 |
| 90 | 0 |
| 91 | 0 |
| 92 | 0 |
| 93 | 0 |
| 94 | 0 |
| 95 | 0 |
| 96 | 0.1 |
| 97 | 0.8 |
| 98 | 0 |
| 99 | 3.7 |
| 100 | 0 |
| 101 | 0 |
| 102 | 0 |
| 103 | 0 |
| 104 | 0 |
| 105 | 0 |
| 106 | 0 |
| 107 | 0 |
| 108 | 0 |
| 109 | 2.1 |
| 110 | 3.7 |
| 111 | 0 |
| 112 | 0 |
| 113 | 0 |
| 114 | 0 |
| 115 | 0 |
| 116 | 0 |
| 117 | 0 |
| 118 | 0.2 |
| 119 | 1 |
| 120 | 0 |
| 121 | 2 |
| 122 | 2 |
| 123 | 0 |
| 124 | 3.7 |
| 125 | 0.1 |
| 126 | 3.7 |
| 127 | 3.6 |
| 128 | 3.6 |
| IC6402 | |
| 1 | 1.6 |
| 2 | 0 |
| 3 | 0 |
| 4 | 5 |
| 5 | 3 |

[P.2-29 - P.2-30]

| MODE PIN NO. | DC (V) |
|---|---|
| IC6250 | |
| 1 | 0 |
| 2 | 5.4 |
| 3 | 1.6 |
| 4 | 0 |
| 5 | 0 |
| 6 | 0 |
| 7 | 0 |
| 8 | 0 |
| 9 | 5.3 |
| 10 | 0.7 |
| 11 | 0 |
| 12 | 3.5 |
| 13 | 0 |
| 14 | 0 |
| 15 | 0 |
| 16 | 5.3 |
| 17 | 0 |
| 18 | 0 |
| 19 | 0 |
| 20 | 2.2 |
| 21 | 0 |
| 22 | 0 |
| 23 | 5.3 |
| 24 | 5.3 |
| IC6251 | |
| 1 | 1.6 |
| 2 | 0 |
| 3 | 0 |
| 4 | 5 |
| 5 | 3.3 |
| Q6201 | |
| E | 0.5 |
| C | 0 |
| B | 0.5 |
| Q6202 | |
| E | 3.3 |
| C | 0 |
| B | 2.6 |
| Q6203 | |
| E | 0.5 |
| C | 0 |
| B | 0.5 |
| Q6204 | |
| E | 2.9 |
| C | 0 |
| B | 2.2 |
| Q6205 | |
| E | 2.9 |
| C | 0 |
| B | 2.2 |
| Q6206 | |
| E | 3.3 |
| C | 0 |
| B | 2.6 |
| Q6211 | |
| E | 0.8 |
| C | 5 |
| B | 1.5 |
| Q6212 | |
| E | 0 |
| C | 5 |
| B | 0.07 |
| Q6213 | |
| E | 0 |
| C | 5 |
| B | 0.7 |
| Q6214 | |
| E | 1.5 |
| C | 5 |
| B | 2.2 |
| Q6250 | |
| E | 1.5 |
| C | 5 |
| B | 2 |
| Q6251 | |
| E | 2.2 |
| C | 5 |
| B | 2 |

[P.2-31 - P.2-32]

| MODE PIN NO. | DC (V) |
|---|---|
| IC6724 | |
| 1 | 0 |
| 2 | 3.3 |
| 3 | 0 |
| 4 | 3.3 |

[P.2-35 - P.2-36]

| MODE PIN NO. | DC (V) |
|---|---|
| IC6101 | |
| 1 | 1.2 |
| 2 | 2.4 |
| 3 | 0 |
| 4 | 1.2 |
| 5 | 0 |
| 6 | 1.2 |
| 7 | 1.2 |
| 8 | 2.4 |
| 9 | 1.2 |
| 10 | 1.2 |
| 11 | 0 |
| 12 | 1.2 |
| 13 | 1.2 |
| 14 | 0 |
| 15 | 2.4 |
| 16 | 0 |
| 17 | 1.2 |
| 18 | 1.2 |
| 19 | 0 |
| 20 | 0 |
| 21 | 1.2 |
| 22 | 1.2 |
| 23 | 0.6 |
| 24 | 0.6 |
| 25 | 1.7 |
| 26 | 1.7 |
| 27 | 1.8 |
| 28 | 0 |
| 29 | 0.7 |
| 30 | 0.7 |
| 31 | 0.6 |
| 32 | 0.6 |
| 33 | 0.7 |
| 34 | 0.7 |
| 35 | 2.4 |
| 36 | 0 |
| 37 | 0 |
| 38 | 0 |
| 39 | 0 |
| 40 | 0 |
| 41 | 0 |
| 42 | 0 |
| 43 | 0 |
| 44 | 0 |
| 45 | 0.6 |
| 46 | 0 |
| 47 | 0.7 |
| 48 | 0.7 |
| 49 | 0.7 |
| 50 | 0.7 |
| 51 | 0.6 |
| 52 | 0 |
| 53 | 1.8 |
| 54 | 1.3 |
| 55 | 1.3 |
| 56 | 0.6 |
| 57 | 0.6 |
| 58 | 1.2 |
| 59 | 0 |
| 60 | 1.2 |
| 61 | 0 |
| 62 | 0 |
| 63 | 1.2 |
| 64 | 1.2 |
| 65 | 2.5 |
| 66 | 0 |
| 67 | 2.4 |
| 68 | 1.2 |
| 69 | 1.2 |
| 70 | 0 |
| 71 | 1.2 |
| 72 | 1.2 |
| 73 | 2.4 |
| 74 | 1.2 |
| 75 | 1.2 |
| 76 | 0 |
| 77 | 1.2 |
| 78 | 1.2 |
| 79 | 0 |
| 80 | 1.2 |
| 81 | 1.2 |
| 82 | 0 |
| 83 | 1.2 |
| 84 | 1.2 |
| 85 | 0 |
| 86 | 2.4 |
| 87 | 0 |
| 88 | 0 |
| 89 | 0 |
| 90 | 0 |
| 91 | 0 |
| 92 | 0 |
| 93 | 0 |
| 94 | 1.2 |
| 95 | 2.4 |
| 96 | 2.4 |
| 97 | 1.2 |
| 98 | 1.2 |
| 99 | 0 |
| 100 | 1.2 |
| IC6102 | |
| 1 | 0 |
| 2 | 2.6 |
| 3 | 1.3 |
| 4 | 1.3 |
| 5 | 2.6 |
| 6 | 2.6 |
| 7 | 2.6 |
| 8 | 2.6 |

[P.2-37 - P.2-38]

| MODE PIN NO. | DC (V) |
|---|---|
| IC7201 | |
| 1 | 0.1 |
| 2 | 0.2 |
| 3 | 0.2 |
| 4 | 0.2 |
| 5 | 0.2 |
| 6 | 0.1 |
| 7 | 0.3 |
| 8 | 0.2 |
| 9 | 0 |
| 10 | 0 |
| 11 | 3.2 |
| 12 | 3.3 |
| 13 | 0 |
| 14 | 0 |
| 15 | 0 |
| 16 | 0 |
| 17 | 0.1 |
| 18 | 0.2 |
| 19 | 0.2 |
| 20 | 0.2 |
| 21 | 0.2 |
| 22 | 0.2 |
| 23 | 0.2 |
| 24 | 0.2 |
| 25 | 0.2 |
| 26 | 3.3 |
| 27 | 0 |
| 28 | 3.3 |
| 29 | 0.2 |
| 30 | 0.2 |
| 31 | 0.2 |
| 32 | 0.2 |
| 33 | 0.2 |
| 34 | 0.2 |
| 35 | 0.2 |
| 36 | 0.2 |
| 37 | 3.2 |
| 38 | 0.1 |
| 39 | 0.2 |
| 40 | 0.2 |
| 41 | 0.1 |
| 42 | 0.2 |
| 43 | 0.2 |
| 44 | 0.2 |
| 45 | 0.1 |
| 46 | 0 |
| 47 | 3.3 |
| 48 | 0.2 |
| IC7203 | |
| 1 | 3.2 |
| 2 | 0 |
| 3 | 0.3 |
| 4 | 0 |
| 5 | 0.4 |
| 6 | 0 |
| 7 | 3.3 |
| 8 | 0.2 |
| 9 | 0.4 |
| 10 | 0 |
| 11 | 0.3 |
| 12 | 0 |
| 13 | 3.2 |
| 14 | 2.7 |
| 15 | 3.2 |
| 16 | 3 |
| 17 | 3.2 |
| 18 | 2.6 |
| 19 | 0 |
| 20 | 0.1 |
| 21 | 0.3 |
| 22 | 0.3 |
| 23 | 0.3 |
| 24 | 0.3 |
| 25 | 3.2 |
| 26 | 0 |
| 27 | 0.3 |
| 28 | 0.3 |
| 29 | 0.3 |
| 30 | 0.3 |
| 31 | 0.4 |
| 32 | 0.4 |
| 33 | 0 |
| 34 | 3.2 |
| 35 | 3 |
| 36 | 2.7 |
| 37 | 0 |
| 38 | 3.2 |
| 39 | 0.4 |
| 40 | 0.4 |
| 41 | 0 |
| 42 | 0.4 |
| 43 | 0.2 |
| 44 | 3.3 |
| 45 | 0.3 |
| 46 | 0.2 |
| 47 | 0 |
| 48 | 0.3 |
| 49 | 0.2 |
| 50 | 0 |
| IC7204 | |
| 1 | 0 |
| 2 | 3.3 |
| 3 | 0 |
| 4 | 3.3 |
| IC7205 | |
| 1 | 2.9 |
| 2 | 3 |
| 3 | 0 |
| 4 | 3.3 |
| 5 | 3.3 |
| 6 | 0 |
| 7 | 0 |
| 8 | 0 |
| 9 | 3.3 |
| 10 | 3.3 |
| 11 | 3.3 |
| 12 | 3.2 |
| 13 | 0 |
| 14 | 3.2 |
| IC7206 | |
| 1 | NC |
| 2 | 3.3 |
| 3 | 0 |
| 4 | 3.3 |
| 5 | 3.3 |
| Q7201 | |
| E | 0 |
| C | 2.9 |
| B | 0 |

[P.2-37 - P.2-38]

| MODE PIN NO. | DC (V) |
|---|---|
| IC7033 | |
| 1 | 0 |
| 2 | 3.2 |
| 3 | 3.2 |
| 4 | 3.2 |
| 5 | 3.2 |
| 6 | 3.2 |
| 7 | 3.2 |
| 8 | 0 |
| 9 | 0 |
| 10 | 3.2 |
| 11 | 0 |
| 12 | 3.2 |
| 13 | 3.2 |
| 14 | 3.3 |
| 15 | 0 |
| 16 | 3.2 |
| IC7036 | |
| 1 | 3.3 |
| 2 | 0 |
| 3 | 0 |
| 4 | 0 |
| 5 | 3.3 |
| 6 | 0 |
| Q7032 | |
| E | 3.3 |
| C | 3.3 |
| B | 0 |
| Q7033 | |
| E | 3.2 |
| C | 3.2 |
| B | 0 |
| Q7034 | |
| E | 3.3 |
| C | -0.1 |
| B | 3.2 |
| Q7035 | |
| E | 3.2 |
| C | -0.3 |
| B | 0 |

[P.2-41 - P.2-42]

| MODE PIN NO. | DC (V) |
|---|---|
| IC6502 | |
| 1 | 0 |
| 2 | 0.8 |
| 3 | 0.9 |
| 4 | 2.5 |
| 5 | 0 |
| 6 | 2.3 |
| 7 | 2.5 |
| 8 | 0.9 |
| 9 | 3.2 |
| 10 | 0.7 |
| 11 | 1.1 |
| 12 | 1.1 |
| 13 | 0 |
| 14 | 1.2 |
| 15 | 3.2 |
| 16 | 1 |
| 17 | 3.2 |
| 18 | 1 |
| 19 | 3.2 |
| 20 | 3.2 |
| 21 | 0 |
| 22 | 1 |
| 23 | 1 |
| 24 | 1 |
| 25 | 1.6 |
| 26 | 3.2 |
| 27 | 3.2 |
| 28 | 0 |
| 29 | 0 |
| 30 | 0 |
| 31 | 2 |
| 32 | 3.2 |
| 33 | 0 |
| 34 | 3.2 |
| 35 | 0 |
| 36 | 0 |
| 37 | 1.2 |
| 38 | 1.2 |
| 39 | 1.2 |
| 40 | 1.2 |
| 41 | 1.2 |
| 42 | 1.2 |
| 43 | 0 |
| 44 | 3.2 |
| 45 | 1.2 |
| 46 | 1.2 |
| 47 | 1.2 |
| 48 | 1.2 |
| 49 | 0 |
| 50 | 0.9 |
| 51 | 2.6 |
| 52 | 2.6 |
| 53 | 0 |
| 54 | 2.6 |
| 55 | 0.8 |
| 56 | 0.7 |

[P.2-47 - P.2-48]

| MODE PIN NO. | DC (V) |
|---|---|
| IC6901 | |
| 1 | 3 |
| 2 | 0 |
| 3 | 3 |
| 4 | 5 |
| IC9001 | |
| 1 | 8.6 |
| 2 | 13.3 |
| 3 | 3.5 |
| 4 | 0 |
| 5 | 0.9 |
| 6 | 1.3 |
| 7 | 3.4 |
| 8 | 0.9 |
| IC9101 | |
| 1 | 3.3 |
| 2 | 0 |
| 3 | 2.5 |
| IC9201 | |
| 1 | 6.5 |
| 2 | 13.3 |
| 3 | 1.3 |
| 4 | 0 |
| 5 | 0.9 |
| 6 | 1.3 |
| 7 | 3.3 |
| 8 | 0.9 |
| IC9301 | |
| 1 | 1.2 |
| 2 | 0 |
| 3 | 0 |
| 4 | 0.3 |
| 5 | 3.2 |
| 6 | 0 |
| 7 | 0 |
| 8 | 3.2 |
| Q9501 | |
| E | 0 |
| C | 0 |
| B | 3.2 |
| Q9502 | |
| E | 0 |
| C | 0 |
| B | 0.6 |
| Q9503 | |
| E | 0 |
| C | 0 |
| B | 0.6 |

[P.2-49 - P.2-50]

| MODE PIN NO. | DC (V) |
|---|---|
| IC7601 | |
| 1 | 0 |
| 2 | 0 |
| 3 | 0 |
| 4 | 0 |
| 5 | 0 |
| 6 | 1 |
| 7 | 2.8 |
| 8 | 0 |
| 9 | 0 |
| 10 | 0 |
| 11 | 0 |
| 12 | 0 |
| 13 | 1.9 |
| 14 | 0 |
| 15 | 1.4 |
| 16 | 3.2 |
| 17 | 1.8 |
| 18 | 1.1 |
| 19 | 3.2 |
| 20 | 3.2 |
| 21 | 0 |
| 22 | 0 |
| 23 | 0 |
| 24 | 0 |
| 25 | 0 |
| 26 | 0 |
| 27 | 0 |
| 28 | 0 |
| 29 | 4.9 |
| 30 | 3.2 |
| 31 | 0 |
| 32 | 0 |
| 33 | 0 |
| 34 | 0 |
| 35 | 0 |
| 36 | 3.2 |
| 37 | 0 |
| 38 | 0 |
| 39 | 0 |
| 40 | 0 |
| 41 | 3.2 |
| 42 | 0 |
| 43 | 0 |
| 44 | 0 |
| 45 | 0 |
| 46 | 0 |
| 47 | 3.2 |
| 48 | 0 |
| 49 | 3.2 |
| 50 | 0 |
| 51 | 0 |
| 52 | 0 |
| 53 | 0 |
| 54 | 0 |
| 55 | 0 |
| 56 | 0 |
| 57 | 0 |
| 58 | 0 |
| 59 | 0 |
| 60 | 0 |
| 61 | 0 |
| 62 | 3.9 |
| 63 | 0 |
| 64 | 3.2 |
| 65 | 0 |
| 66 | 0 |
| 67 | 0 |
| 68 | 0 |
| 69 | 0 |
| 70 | 0 |
| 71 | 0 |
| 72 | 0 |
| 73 | 0 |
| 74 | 0 |
| 75 | 0 |
| 76 | 0 |
| 77 | 0 |
| 78 | 0 |
| 79 | 0 |
| 80 | 0 |
| 81 | 0 |
| 82 | 3.2 |
| 83 | 0 |
| 84 | 3.2 |
| 85 | 0 |
| 86 | 3.2 |
| 87 | 3.2 |
| 88 | 3.2 |
| 89 | 0 |
| 90 | 0 |
| 91 | 0 |
| 92 | 0 |
| 93 | 3.2 |
| 94 | 3.2 |
| 95 | 0 |
| 96 | 0.2 |
| 97 | 0 |
| 98 | 0 |
| 99 | 4.9 |
| 100 | 0 |
| IC7602 | |
| 1 | 0 |
| 2 | 0 |
| 3 | 0 |
| 4 | 0 |
| 5 | 3.2 |
| 6 | 3.2 |
| 7 | 0 |
| 8 | 3.2 |
| IC7603 | |
| 1 | 3.3 |
| 2 | 0 |
| 3 | 0 |
| 4 | 5 |
| 5 | 5 |
| IC7604 | |
| 1 | 0 |
| 2 | 0 |
| 3 | 0 |
| 4 | 3.2 |
| 5 | 3.2 |
| IC7605 | |
| 1 | 5 |
| 2 | 0 |
| 3 | 0 |
| 4 | 0 |
| 5 | 0 |
| 6 | 5 |
| IC7606 | |
| 1 | 5 |
| 2 | 0 |
| 3 | 0 |
| 4 | 0 |
| 5 | 0 |
| 6 | 5 |

**<POWER PWB>**
[P.2-67 - P.2-68]

| MODE PIN NO. | DC (V) |
|---|---|
| IC9101 | |
| 1 | 7 |
| 2 | 0 |
| 3 | 5 |
| IC9301 | |
| 1 | 15.4 |
| 2 | 0 |
| 3 | 17.8 |
| Q9021 | |
| E | 0 |
| C | 0.1 |
| B | 0.7 |
| Q9281 | |
| E | 1.3 |
| C | 0 |
| B | 2.3 |
| Q9282 | |
| E | 0 |
| C | 3.7 |
| B | 0.2 |
| Q9283 | |
| E | 0 |
| C | 3.8 |
| B | 0.2 |
| Q9284 | |
| E | 0 |
| C | 0 |
| B | 2.5 |

[P.2-69 - P.2-70]

| MODE PIN NO. | DC (V) |
|---|---|
| IC9501 | |
| 1 | 385 |
| 2 | NC |
| 3 | 0 |
| 4 | 15.7 |
| 5 | 0.1 |
| 6 | 1.1 |
| 7 | 0.8 |
| PC9501 | |
| 1 | 11.1 |
| 2 | 10.1 |
| 3 | 13.6 |
| 4 | 1 |

[P.2-71 - P.2-72]

| MODE PIN NO. | DC (V) |
|---|---|
| IC9701 | |
| 1 | 13.2 |
| 2 | 11.9 |
| 3 | 0 |
| 4 | 2.6 |
| IC9721 | |
| 1 | 13.2 |
| 2 | 9.2 |
| 3 | 0 |
| 4 | 1.2 |
| 5 | 6.8 |
| IC9741 | |
| 1 | 13.2 |
| 2 | 5 |
| 3 | 0 |
| 4 | 1.2 |
| 5 | 2.6 |
| Q9821 | |
| E | 0 |
| C | 0 |
| B | 0.6 |
| Q9831 | |
| E | 0 |
| C | 0 |
| B | 0.6 |
| Q9851 | |
| E | 13.1 |
| C | 6 |
| B | 13.1 |
| Q9852 | |
| E | 0 |
| C | 13.1 |
| B | 0 |
| Q9853 | |
| E | 0 |
| C | 0 |
| B | 3.1 |
| Q9861 | |
| E | 0 |
| C | 0 |
| B | 0.6 |

**<FRONT LED PWB>**
[P.2-73]

| MODE PIN NO. | DC (V) |
|---|---|
| Q0701 | |
| E | 0.2 |
| C | 0.4 |
| B | 0.9 |
| Q0702 | |
| E | 0 |
| C | 0 |
| B | 0.6 |
| Q0704 | |
| E | 0 |
| C | 4.9 |
| B | 0 |
| Q0705 | |
| E | 0 |
| C | 0.2 |
| B | 0.7 |
| Q0706 | |
| E | 4.5 |
| C | 4.9 |
| B | 3.3 |
| Q0707 | |
| E | 0 |
| C | 4.4 |
| B | 0 |

**<TEMP PWB>**
[P.2-74]

| MODE PIN NO. | DC (V) |
|---|---|
| IC2001 | |
| 1 | 4.5 |
| 2 | 4.5 |
| 3 | 4 |
| 4 | 0 |
| 5 | 0 |
| 6 | 0 |
| 7 | 0 |
| 8 | 4.9 |

**<REMOCON PWB>**
[P.2-76]

| MODE PIN NO. | DC (V) |
|---|---|
| IC0821 | |
| 1 | 2.8 |
| 2 | 4.9 |
| 3 | 0 |

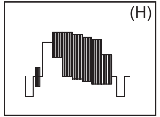
**<FAN CONTROL PWB>**
[P.2-79 - P.2-80]

| MODE PIN NO. | DC (V) |
|---|---|
| IC8001 | |
| 1 | 1.2 |
| 2 | 0 |
| 3 | 0 |
| 4 | 13.3 |
| 5 | 8.1 |
| IC8002 | |
| 1 | 13.3 |
| 2 | 3 |
| 3 | 10 |
| 4 | 2.6 |
| 5 | 0 |
| IC8003 | |
| 1 | 13.3 |
| 2 | 3 |
| 3 | 6.4 |
| 4 | 2.6 |
| 5 | 0 |
| IC8005 | |
| 1 | 0 |
| 2 | 0 |
| 3 | 0 |
| 4 | 0 |
| 5 | 0 |
| 6 | 0 |
| 7 | 0 |
| 8 | 0 |
| 9 | 0 |
| 10 | 0 |
| 11 | 0 |
| 12 | 0 |
| 13 | 0 |
| 14 | 5 |
| Q8001 | |
| E | 0 |
| C | 1.2 |
| B | 0 |
| Q8004 | |
| E | 0 |
| C | 3 |
| B | 0 |
| Q8005 | |
| E | 0 |
| C | 0 |
| B | 0 |

# WAVEFORMS

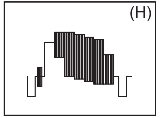
ANALOG PWB(1/6)

**IC101-45**



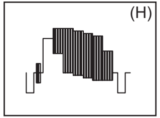
6 Vp-p

**IC101-49**



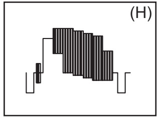
6 Vp-p

**IC101-62**



1 Vp-p

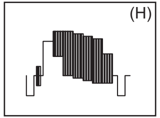
**IC101-79**



1 Vp-p

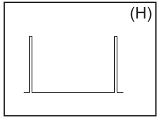
ANALOG PWB(1/6)

**IC102-2**



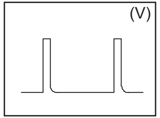
6 Vp-p

**IC102-28**



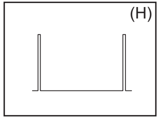
3.0 Vp-p

**IC102-37**



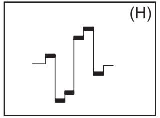
3.4 Vp-p

**IC102-38**



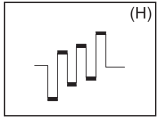
2.5 Vp-p

**IC102-41**



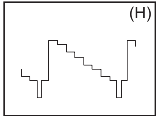
0.6 Vp-p

**IC102-43**



0.6 Vp-p

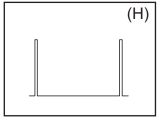
**IC102-45**



0.8 Vp-p

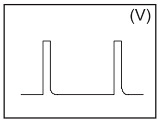
DIGITAL PWB(4/16)

**IC6401-33**



3.0 Vp-p

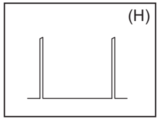
**IC6401-44**



3.4 Vp-p

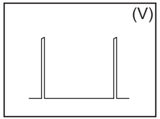
DIGITAL PWB(11/16)

**IC6502-27**



3.0 Vp-p

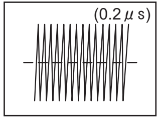
**IC6502-28**



3.0 Vp-p

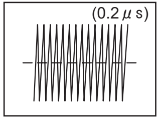
DIGITAL PWB(15/16)

**IC7601-13**



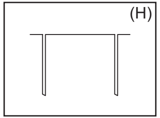
6 Vp-p

**IC7601-15**



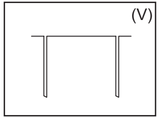
6 Vp-p

**IC7601-62**



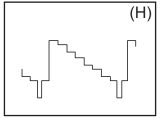
3.5 Vp-p

**IC7601-64**



3.5 Vp-p

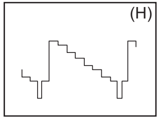
**IC7601-97**



0.8 Vp-p

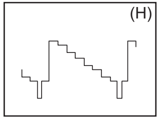
DIGITAL PWB(15/16)

**IC7605-2**



2.0 Vp-p

**IC7605-4**



0.5 Vp-p

Victor Company of Japan, Limited
ILA Display Category  12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

Printed in Japan
VPT

# PARTS LIST

## CAUTION

- ■ The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- ■ The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- ■ P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

| **RESISTORS** | | **CAPACITORS** | |
|---|---|---|---|
| CR | Carbon Resistor | C CAP. | Ceramic Capacitor |
| FR | Fusible Resistor | E CAP. | Electrolytic Capacitor |
| PR | Plate Resistor | M CAP. | Mylar Capacitor |
| VR | Variable Resistor | CH CAP. | Chip Capacitor |
| HV R | High Voltage Resistor | HV CAP. | High Voltage Capacitor |
| MF R | Metal Film Resistor | MF CAP. | Metalized Film Capacitor |
| MG R | Metal Glazed Resistor | MM CAP. | Metalized Mylar Capacitor |
| MP R | Metal Plate Resistor | MP CAP. | Metalized Polystyrol Capacitor |
| OM R | Metal Oxide Film Resistor | PP CAP. | Polypropylene Capacitor |
| CMF R | Coating Metal Film Resistor | PS CAP. | Polystyrol Capacitor |
| UNF R | Non-Flammable Resistor | TF CAP. | Thin Film Capacitor |
| CH V R | Chip Variable Resistor | MPP CAP. | Metalized Polypropylene Capacitor |
| CH MG R | Chip Metal Glazed Resistor | TAN. CAP. | Tantalum Capacitor |
| COMP. R | Composition Resistor | CH C CAP. | Chip Ceramic Capacitor |
| LPTC R | Linear Positive Temperature Coefficient Resistor | BP E CAP. | Bi-Polar Electrolytic Capacitor |
| | | CH AL E CAP. | Chip Aluminum Electrolytic Capacitor |
| | | CH AL BP CAP. | Chip Aluminum Bi-Polar Capacitor |
| | | CH TAN. E CAP. | Chip Tantalum Electrolytic Capacitor |
| | | CH AL BP E CAP. | Chip Tantalum Bi-Polar Electrolytic Capacitor |

| **RESISTORS** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| F | G | J | K | M | N | R | H | Z | P |
| ±1% | ±2% | ±5% | ±10% | ±20% | ±30% | +30%<br>-10% | +50%<br>-10% | +80%<br>-20% | +100%<br>-0% |

# CONTENTS

**USING P.W. BOARD & REMOTE CONTROL UNIT ........ 3-3**
**EXPLODED VIEW PARTS LIST -1 [HD-52G587] ........ 3-4**
**EXPLODED VIEW -1 [HD-52G587] ........ 3-5**
**EXPLODED VIEW PARTS LIST -2 [HD-52G587] ........ 3-6**
**EXPLODED VIEW -2 [HD-52G587] ........ 3-7**
**EXPLODED VIEW PARTS LIST -3 [HD-61G587] ........ 3-8**
**EXPLODED VIEW -3 [HD-61G587] ........ 3-9**
**EXPLODED VIEW PARTS LIST - 4 [HD-61G587] ........ 3-10**
**EXPLODED VIEW - 4 [HD-61G587] ........ 3-11**
**EXPLODED VIEW PARTS LIST -5 ........ 3-12**
**EXPLODED VIEW -5 ........ 3-13**
**EXPLODED VIEW PARTS LIST -6 ........ 3-14**
**EXPLODED VIEW -6 ........ 3-15**

**PRINTED WIRING BOARD PARTS LIST [HD-52G587] ........ 3-16**
  ANALOG P.W. BOARD ASS'Y (SRA-1013A-M2) ........ 3-16
  DRIVE P.W. BOARD ASS'Y (SRA-3005A-M2) ........ 3-19
  REMOCON P.W. BOARD ASS'Y (SRA-8011A-M2) ........ 3-24
  TEMP P.W. BOARD ASS'Y (SRA-8202A-M2) ........ 3-24
  FAN P.W. BOARD ASS'Y (SRA-8401A-M2) ........ 3-24
  POWER P.W. BOARD ASS'Y (SRA-9012A-M2) ........ 3-24
  DIGITAL P.W. BOARD ASS'Y (SRA0D024A-M2) ........ 3-25
  SIDE CONTROL P.W. BOARD ASS'Y (SRA0L011A-M2) ........ 3-30
  FRONT LED P.W. BOARD ASS'Y (SRA0L111A-M2) ........ 3-30
  LAMP COVER P.W. BOARD ASS'Y (SRA0L211A-M2) ........ 3-30

**PRINTED WIRING BOARD PARTS LIST [HD-61G587] ........ 3-31**
  ANALOG P.W. BOARD ASS'Y (SRA-1013A-M2) ........ 3-31
  DRIVE P.W. BOARD ASS'Y (SRA-3005A-M2) ........ 3-31
  REMOCON P.W. BOARD ASS'Y (SRA-8011A-M2) ........ 3-31
  TEMP P.W. BOARD ASS'Y (SRA-8202A-M2) ........ 3-31
  FAN P.W. BOARD ASS'Y (SRA-8401A-M2) ........ 3-31
  POWER P.W. BOARD ASS'Y (SRA-9012A-M2) ........ 3-31
  DIGITAL P.W. BOARD ASS'Y (SRA0D023A-M2) ........ 3-31
  SIDE CONTROL P.W. BOARD ASS'Y (SRA0L011A-M2) ........ 3-35
  FRONT LED P.W. BOARD ASS'Y (SRA0L111A-M2) ........ 3-35
  LAMP COVER P.W. BOARD ASS'Y (SRA0L211A-M2) ........ 3-35

**REMOTE CONTROL UNIT PARTS LIST (RM-C1273G-1H) ........ 3-36**
**PACKING ........ 3-36**
**PACKING PARTS LIST ........ 3-36**

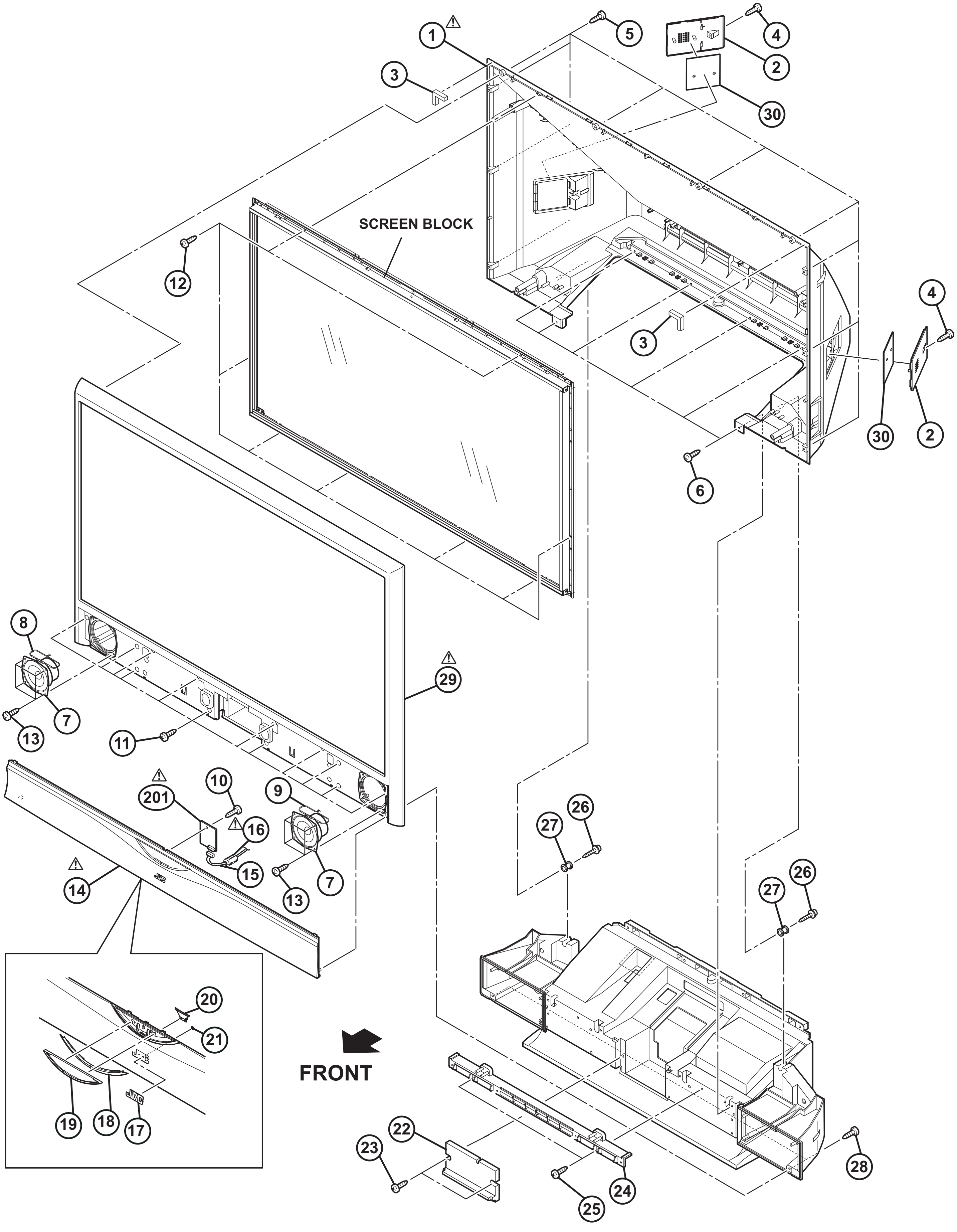
# USING P.W. BOARD & REMOTE CONTROL UNIT

| P.W.B ASS'Y name | P.W.B ASS'Y No. | |
|---|---|---|
| | HD-52G587 | HD-61G587 |
| ANALOG P.W.B | SRA-1013A-M2 | ← |
| DRIVE P.W.B | SRA-3005A-M2 | ← |
| REMOCON P.W.B | SRA-8011A-M2 | ← |
| TEMP P.W.B | SRA-8202A-M2 | ← |
| FAN P.W.B | SRA-8401A-M2 | ← |
| POWER P.W.B | SRA-9012A-M2 | ← |
| DIGITAL P.W.B | SRA0D024A-M2 | SRA0D023A-M2 |
| SIDE CONTROL P.W.B | SRA0L011A-M2 | ← |
| FRONT LED P.W.B | SRA0L111A-M2 | ← |
| LAMP COVER P.W.B | SRA0L211A-M2 | ← |
| REMOTE CONTROL UNIT | RM-C1273G-1H | ← |

# EXPLODED VIEW PARTS LIST -1 [HD-52G587]

| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| ⚠ | 1 | LC12260-001D-A | BACK COVER | | |
| | 2 | LC21888-001B-A | FILTER COVER | (x2) | |
| | 3 | LC42331-001A-A | SPONGE | (x2) | |
| | 4 | QYSBSFG4016MA | TAP SCREW | M4 x 16mm(x2) | |
| | 5 | QYSBSFG4016MA | TAP SCREW | M4 x 16mm(x10) | |
| | 6 | QYSBSFG4016MA | TAP SCREW | M4 x 16mm(x4) | |
| | 7 | QAS0369-002 | SPEAKER | SP01/SP02(x2) | |
| | 8 | WJJ0487-001A-E | E-SI C WIRE C-C | ANALOG SP-SPEAKER(L) | |
| | 9 | WJJ0487-002A-E | E-SI C WIRE C-C | ANALOG SP-SPEAKER(R) | |
| | 10 | QYSBSFG3008ZA | TAP SCREW | M3 x 8mm | |
| | 11 | QYSBSFG4016MA | TAP SCREW | M4 x 16mm(x4) | |
| | 12 | QYSBSFG4012ZA | TAP SCREW | M4 x 12mm(x8) | |
| | 13 | QYSBSFG4016MA | TAP SCREW | M4 x 16mm(x8) | |
| ⚠ | 14 | LC12261-006A-A | SPEAKER GRILL | | |
| | 15 | WJJ0698-001A-E | E-SI C WIRE C-C | ANALOG F-FRONT LED CN07FL | |
| ⚠ | 16 | QQR0491-001 | FERRITE CORE | | |
| | 17 | LC32707-003A-C | JVC MARK | | |
| | 18 | LC21876-001A-A | INDICATE WINDOW | | |
| | 19 | LC33145-006A-0K | POWER KNOB ASSY | | |
| | 20 | LC33148-001B-A | LED LENS | | |
| | 21 | QYNSS2000P | PUSH NUT | M2 | |
| | 22 | LC21590-001C-A | CENTER COVER | | |
| | 23 | QYSBSFG4016MA | TAP SCREW | M4 x 16mm(x2) | |
| | 24 | LC12303-001C-A | SUPPORT HOLDER | | |
| | 25 | QYSBSFG4016MA | TAP SCREW | M4 x 16mm(x2) | |
| | 26 | LC40506-003A-A | TAPPING SCREW | (x2) | |
| | 27 | LC40226-005A-H | SPACER | (x2) | |
| | 28 | QYSBSFG4016MA | TAP SCREW | M4 x 16mm(x2) | |
| ⚠ | 29 | LC12262-005A-A | FRONT PANEL | | |
| | 30 | LC33541-001A-A | FILTER | (x2) | |
| ⚠ | 201 | SRA0L111A-M2 | FRONT LED PWB | | |

# EXPLODED VIEW -1 [HD-52G587]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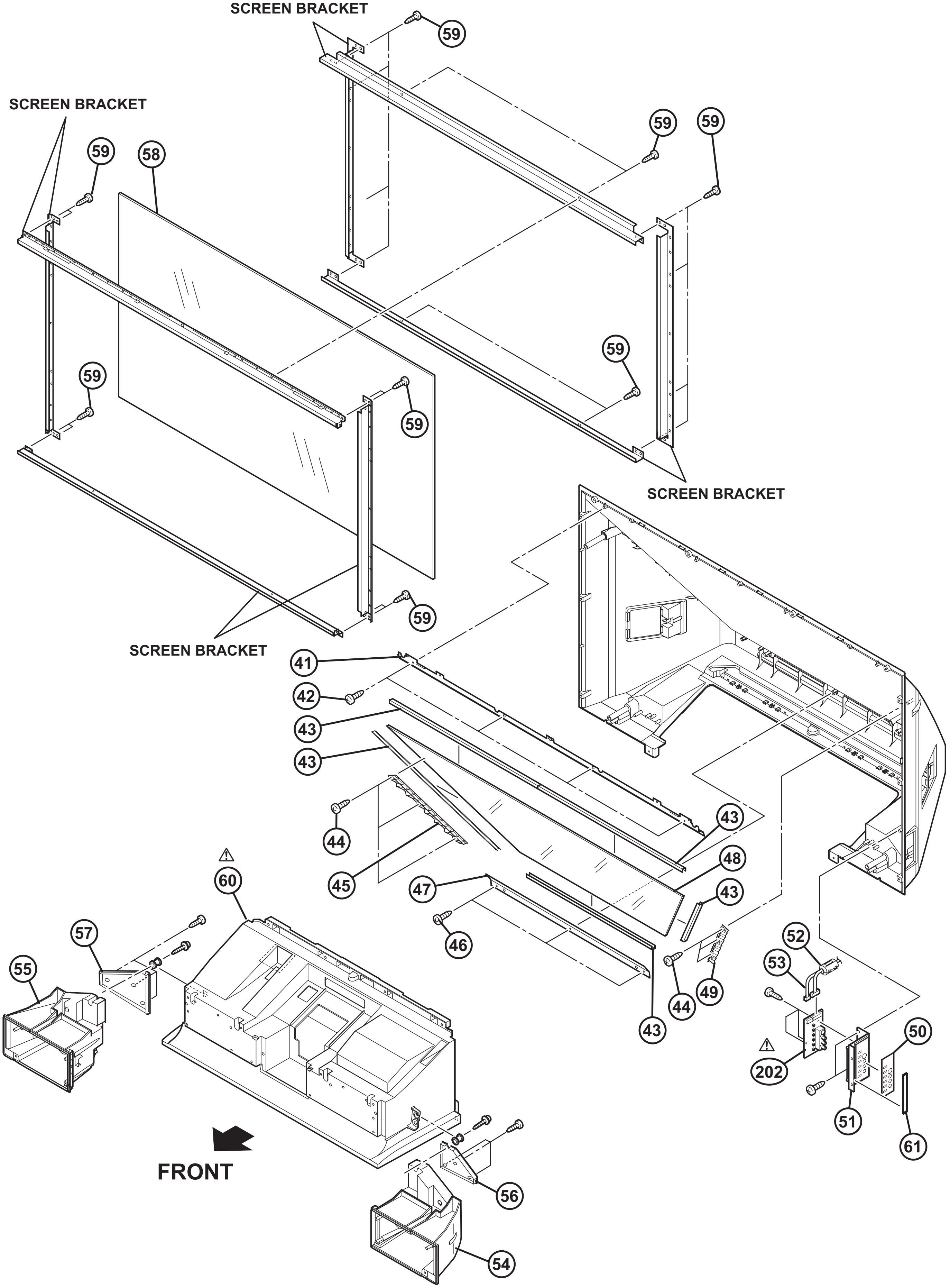
# EXPLODED VIEW PARTS LIST -2 [HD-52G587]

| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| | 41 | LC12362-002A-A | MIRROR HOLDER | TOP | |
| | 42 | QYSBSFG4012ZA | TAP SCREW | M4 x 12mm(x4) | |
| | 43 | LC21931-001B-A | SPONGE SPACER | (x5) | |
| | 44 | QYSBSFG4012ZA | TAP SCREW | M4 x 12mm(x6) | |
| | 45 | LC21538-001A-A | MIRROR HOLDER | LEFT | |
| | 46 | QYSBSFG4012ZA | TAP SCREW | M4 x 12mm(x3) | |
| | 47 | LC12371-001A-A | MIRROR HOLDER | BOTTOM | |
| | 48 | LC33055-003A | GLASS MIRROR | | |
| | 49 | LC21538-002A-A | MIRROR HOLDER | RIGHT | |
| | 50 | LC33046-004A-A | SIDE CONTROL SHEET | | |
| | 51 | LC21805-001A-A | SIDE CONTROL BASE | | |
| | 52 | QQR0491-001 | FERRITE CORE | | |
| | 53 | WJZ0201-001A-E | E-HARNESS ASSY | ANALOG S1-SIDE CONTROL CN08S1 | |
| | 54 | LC12305-001A-A | SPEAKER BOX | RIGHT | |
| | 55 | LC12305-002A-A | SPEAKER BOX | LEFT | |
| | 56 | LC12306-001A-A | SPEAKER BOX COVER | RIGHT | |
| | 57 | LC12306-002A-A | SPEAKER BOX COVER | LEFT | |
| | 58 | 52SC-007A-M2 | SCREEN ASSY | | |
| | 59 | QYSBSG4008ZA | TAP SCREW | M4 x 8mm(x20) | |
| ⚠ | 60 | LC12263-001G-A | BODY | | |
| | 61 | LC32447-067A-A | STICK SHEET | | |
| ⚠ | 202 | SRA0L011A-M2 | SIDE CONTROL PWB | | |

# EXPLODED VIEW -2 [HD-52G587]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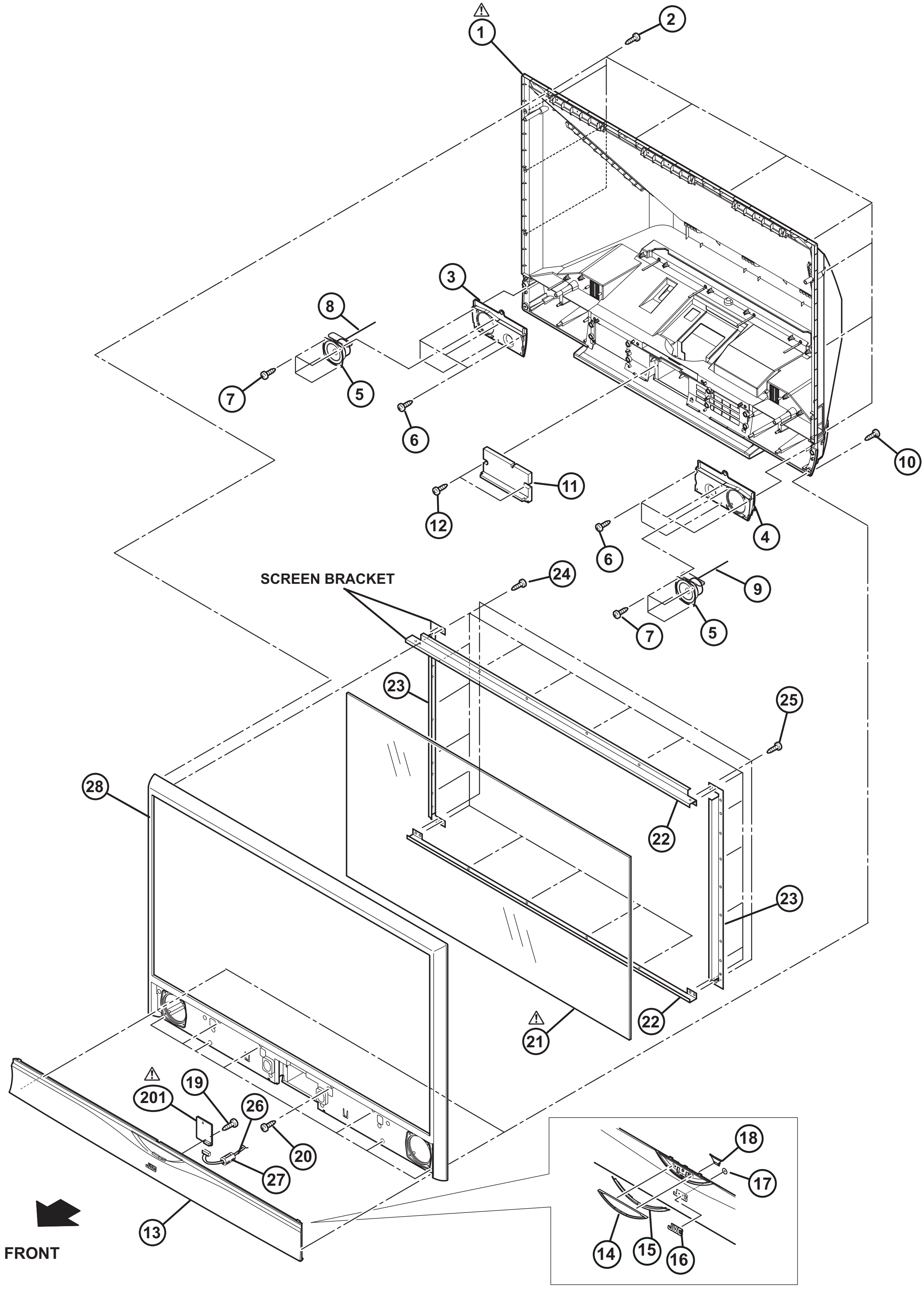
# EXPLODED VIEW PARTS LIST -3 [HD-61G587]

| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| ⚠ | 1 | LC11916-001G-A | BACK COVER | | |
| | 2 | QYSBSFG4016MA | TAP SCREW | M4 x 16mm(x10) | |
| | 3 | LC11950-001B-A | SPEAKER PLATE | LEFT | |
| | 4 | LC11950-002B-A | SPEAKER PLATE | RIGHT | |
| | 5 | QAS0369-002 | SPEAKER | SP01/SP02(x2) | |
| | 6 | QYSBSFG4016MA | TAP SCREW | M4 x 16mm(x8) | |
| | 7 | QYSBSFG4016MA | TAP SCREW | M4 x 16mm(x8) | |
| | 8 | WJJ0487-001A-E | E-SI C WIRE C-C | ANALOG SP-SPEAKER(L) | |
| | 9 | WJJ0487-002A-E | E-SI C WIRE C-C | ANALOG SP-SPEAKER(R) | |
| | 10 | QYSBSFG4016MA | TAP SCREW | M4 x 16mm(x2) | |
| | 11 | LC21590-001C-A | CENTER COVER | | |
| | 12 | QYSBSFG4016MA | TAP SCREW | M4 x 16mm(x2) | |
| | 13 | LC12677-006A-A | SPEAKER GRILL | | |
| | 14 | LC33145-006A-0K | POWER KNOB ASSY | | |
| | 15 | LC21876-001A-A | INDICATE WINDOW | | |
| | 16 | LC32707-003A-C | JVC MARK | | |
| | 17 | QYNSS2000P | PUSH NUT | M2 | |
| | 18 | LC33148-001B-A | LED LENS | | |
| | 19 | QYSBSFG3008ZA | TAP SCREW | M3 x 8mm | |
| | 20 | QYSBSFG4016MA | TAP SCREW | M4 x 16mm(x4) | |
| ⚠ | 21 | 61SC-007A-M2 | SCREEN ASSY | | |
| | 22 | LC21611-001E-A | SCREEN HOLDER | (TOP/BOTTOM)(x2) | |
| | 23 | LC21610-001E-A | SCREEN HOLDER | (LEFT/RIGHT)(x2) | |
| | 24 | QYSBSF4016ZA | TAP SCREW | M4 x 16mm(x20) | |
| | 25 | QYSBSG4008ZA | TAP SCREW | M4 x 8mm(x4) | |
| | 26 | WJJ0698-001A-E | E-SI C WIRE C-C | ANALOG F-FRONT LED CN07FL | |
| | 27 | QQR0491-001 | FERRITE CORE | | |
| | 28 | LC12420-005A-A | FRONT PANEL | | |
| ⚠ | 201 | SRA0L111A-M2 | FRONT LED PWB | | |

# EXPLODED VIEW -3 [HD-61G587]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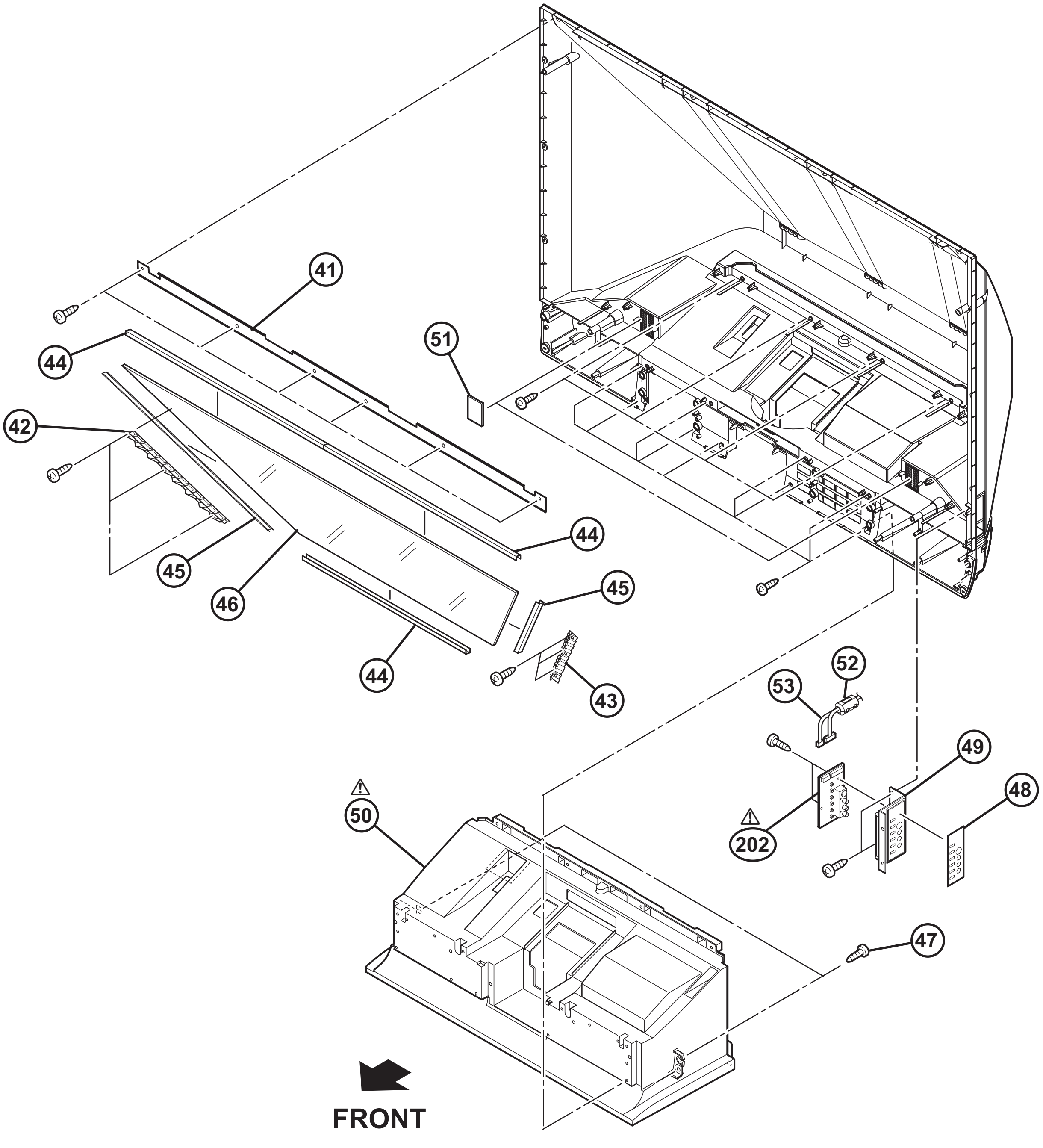
# EXPLODED VIEW PARTS LIST - 4 [HD-61G587]

| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| | 41 | LC12543-002C-0K | MIRROR HOLDER | TOP | |
| | 42 | LC21538-001A-A | MIRROR HOLDER | LEFT | |
| | 43 | LC21538-002A-A | MIRROR HOLDER | RIGHT | |
| | 44 | LC32447-055A-A | STICK SHEET | (x3) | |
| | 45 | LC32447-055A-A | STICK SHEET | (x2) | |
| | 46 | LC33317-003A-A | GLASS MIRROR | | |
| | 47 | QYSBSFG4016MA | TAP SCREW | M4 x 16mm(x2) | |
| | 48 | LC33046-004A-A | SIDE CONTROL SHEET | | |
| | 49 | LC21805-001A-A | SIDE CONTROL BASE | | |
| ⚠ | 50 | LC12263-001G-A | BODY | | |
| | 51 | LC33546-001A-A | BACK COVER FILT | (x2) | |
| | 52 | QQR0491-001 | FERRITE CORE | | |
| | 53 | WJZ0201-001A-E | E-HARNESS ASSY | ANALOG S1-SIDE CONTROL CN08S1 | |
| ⚠ | 202 | SRA0L011A-M2 | SIDE CONTROL PWB | | |

# EXPLODED VIEW - 4 [HD-61G587]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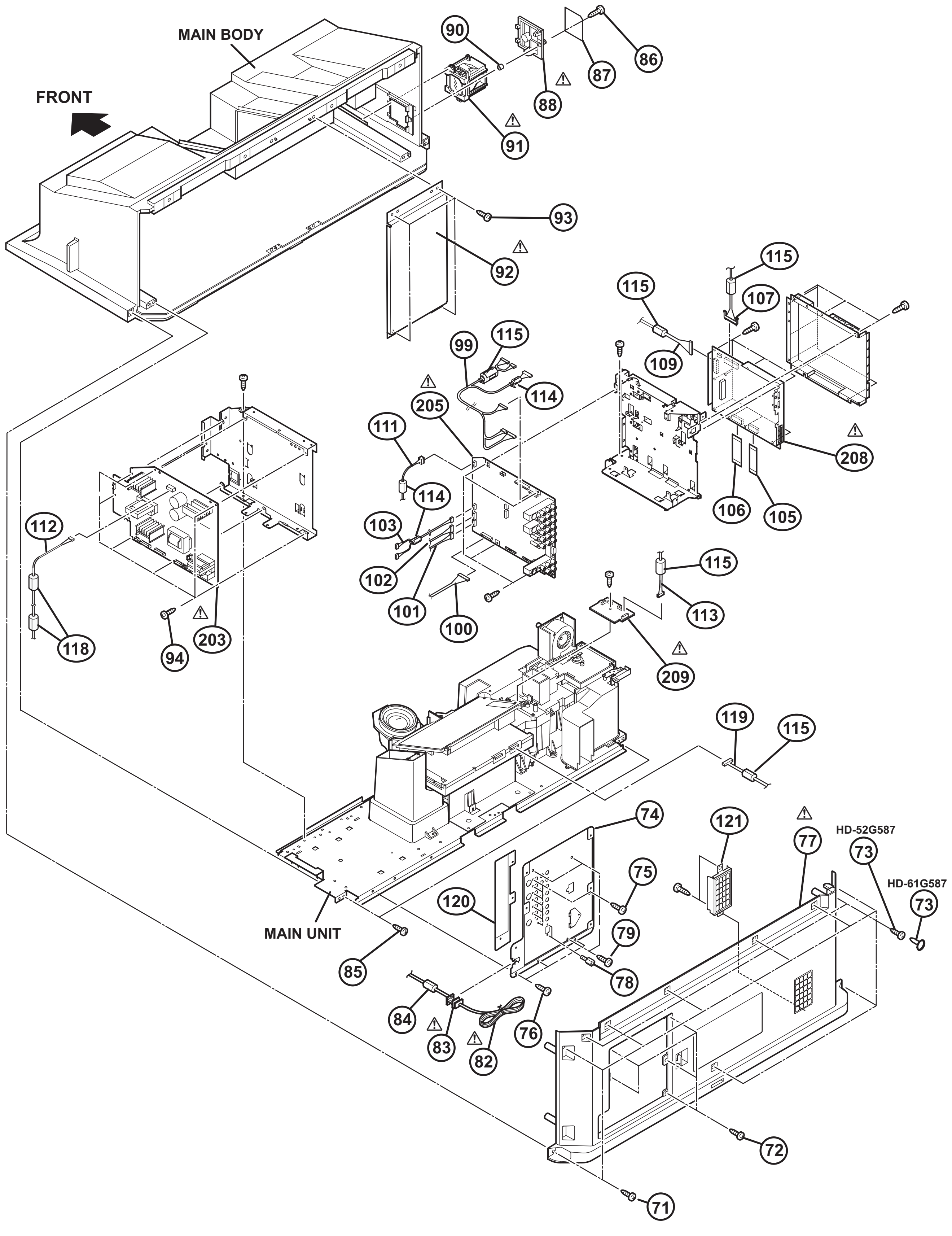
# EXPLODED VIEW PARTS LIST -5

| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| | 71 | QYSBSFG4016MA | TAP SCREW | M4 x 16mm(x9) | |
| | 72 | QYSBSG4012ZA | TAP SCREW | M4 x 12mm(x5) | |
| | 73 | QYSBSFG4016MA | TAP SCREW | (x2) | HD-52G587 |
| | 73 | LC42456-001A | CANOE CLIP | (x2) | HD-61G587 |
| | 74 | LC22113-003C-A | TERMINAL BOARD | | |
| | 75 | QYSBSF3012MA | TAP SCREW | M3 x 12mm(x7) | |
| | 76 | QYSBSG4012ZA | TAP SCREW | M4 x 12mm(x3) | HD-52G587 |
| | 76 | QYSBSG4008ZA | TAP SCREW | M4 x 8mm(x3) | HD-61G587 |
| ⚠ | 77 | LC12259-001C-A | BODY COVER | | |
| | 78 | QNB0036-001 | CONN ACCESSORY | (x2) | |
| | 79 | QYSBSG3008ZA | TAP SCREW | M3 x 8mm(x3) | |
| ⚠ | 82 | QMPD290-200-JC | POWER CORD(US/CA) | 2m BLACK | |
| ⚠ | 83 | LC20106-001D-A | POWER CORD CLAMP | | |
| | 84 | QQR0918-001 | CORE FILTER | | |
| | 85 | QYSBSFG4016MA | TAP SCREW | M4 x 16mm(x2) | |
| | 86 | LC42077-001A-A | ASSY SCREW | | |
| | 87 | LC33208-001A-A | WARNING SHEET | | |
| ⚠ | 88 | LC12307-001C-A | LAMP COVER | | |
| | 90 | LC42276-001A-A | INSERT NUT | | |
| ⚠ | 91 | TS-CL110UAA | LANP UNIT | | |
| ⚠ | 92 | LC11943-001B-A | BODY BRACKET | | |
| | 93 | QYSBSFG4016MA | TAP SCREW | M4 x 16mm(x4) | |
| | 94 | QYSBSGG3008ZA | TAP SCREW | M3 x 8mm(x7) | |
| | 99 | WJZ0200-001A-E | E-HARNESS ASSY | ANALOG CN011-DIGITAL CN011 | |
| | 100 | QJJ015-122012-E | SIN CR C-C WIRE | POWER CNA3-ANALOG A3 | |
| | 101 | QJJ015-053010-E | SIN CR C-C WIRE | POWER CNA2-ANALOG A2 | |
| | 102 | QJJ061-062211-E | SIN CR C-C WIRE | POWER CNA1-ANALOG A1 | |
| | 103 | WJJ0485-003A-E | E-SI C WIRE C-C | APEAKER-ANALOG CNSP | |
| | 105 | QUQL05-4013AE-E | FFC WIRE | ANALOG CN012-DIGITAL CN012 | |
| | 106 | QUQL05-5013AE-E | FFC WIRE | ANALOG CN011-DIGITAL CN011 | |
| | 107 | WJW0043-001A-E | E-TWISTED ASSY | DIGITAL CNOLV2-DRIVE CN3001 | |
| | 109 | WJJ0656-001A-E | E-SI C WIRE C-C | POWER CNDC-DIGITAL CN1DC | |
| | 111 | QJJ015-034213-E | SIN CR C-C WIRE | ANALOG RE-REMOCON CN08RE | |
| | 112 | WJJ0652-003A-E | E-SI C WIRE C-C | POWERCNBL-LAMP BALAST CN101 | |
| | 113 | QJJ015-081013-E | SIN CR C-C WIRE | FAN CONTROL CN8010-DRIVE CN3010 | |
| | 114 | QQR0490-001 | NOISE FILTER | (x3) | |
| | 115 | QQR0491-001 | FERRITE CORE | (x5) | |
| | 118 | QQR0491-001 | FERRITE CORE | (x2) | |
| | 119 | QJJ015-099424-E | SIN CR C-C WIRE | | |
| | 120 | LC42521-001A-A | COVER SHEET | | |
| | 121 | LC21690-002A-A | LAMP DUCT BRACKET | | |
| ⚠ | 203 | SRA-9012A-M2 | POWER PWB | | |
| ⚠ | 205 | SRA-1013A-M2 | ANALOG PWB | | |
| ⚠ | 208 | SRA0D024A-M2 | DIGITAL PWB | | HD-52G587 |
| ⚠ | 208 | SRA0D023A-M2 | DIGITAL PWB | | HD-61G587 |
| ⚠ | 209 | SRA-8401A-M2 | FAN PWB | | |

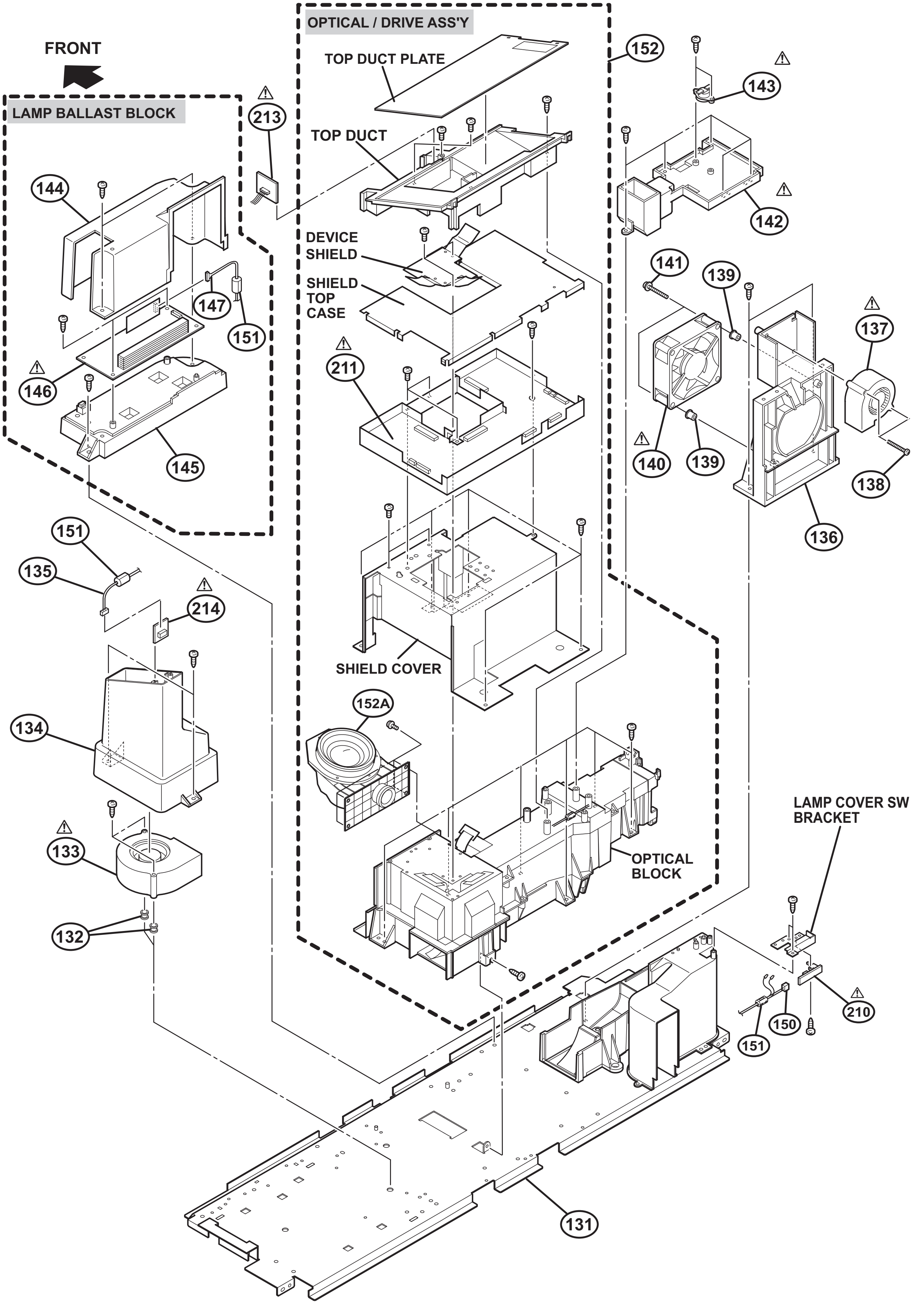
# EXPLODED VIEW -5


MAIN BODY
FRONT
90
86
87
88
91
93
92
115
107
115
109
99
115
114
205
111
114
103
102
101
100
208
106
105
115
113
209
112
118
94
203
119
115
74
121
77
HD-52G587
73
HD-61G587
73
75
120
79
78
MAIN UNIT
85
84
83
82
76
72
71

# EXPLODED VIEW PARTS LIST -6

| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| | 131 | LC12369-001C-A | UNIT BASE | | |
| | 132 | LC42034-001A-A | WELL NUT | (x2) | |
| ⚠ | 133 | QAR0368-002 | COOLING FAN | | |
| | 134 | LC12355-001B-A | SIROCCO CASE T | | |
| | 135 | QJJ015-041004-E | SIN CR C-C WIRE | TEMP CN2007-DRIVE CN3007 | |
| | 136 | LC12352-001B-A | HOLDER FAN | | |
| ⚠ | 137 | QAR0367-001 | COOLING FAN | | |
| | 138 | QYSBSFG4035MA | TAP SCREW | M4 x 35mm(x2) | |
| | 139 | LC42034-001A-A | WELL NUT | (x2) | |
| ⚠ | 140 | QAR0354-002 | COOLING FAN | | |
| | 141 | QYSPSPD4040MA | SCREW | M4 x 40mm(x2) | |
| ⚠ | 142 | LC12225-001A-A | DUCT PCS | | |
| ⚠ | 143 | QMR0014-001 | TH PROTECTOR | | |
| | 144 | LC12354-001B-A | BALLAST COVER | | |
| | 145 | LC12353-001C-A | BALLAST HOLDER | | |
| ⚠ | 146 | QAL0765-001 | POWER UNIT ASSY | | |
| | 147 | WJJ0664-001A-E | E-SI C WIRE C-C | POWER UNIT-POWER CN9BL | |
| | 150 | WJJ0708-001B-E | E-HARNESS ASSY | LAMP COVER CN0806-DRIVE CN3006 | |
| | 151 | QQR0490-001 | NOISE FILTER | (x3) | |
| | 152 | TSCOP10A-SAA | OPTICAL/DRIVE ASSY | Inc. D-ILA DEVICE / DRIVE PWB / PJ LENS | |
| | 152A | LC12230-001B | PJ LENS | | |
| ⚠ | 210 | SRA0L211A-M2 | LAMP COVER PWB | | |
| ⚠ | 211 | SRA-3005A-M2 | DRIVE PWB | | |
| ⚠ | 213 | SRA-8011A-M2 | REMOCON PWB | | |
| ⚠ | 214 | SRA-8202A-M2 | TEMP PWB | | |

# EXPLODED VIEW -6


OPTICAL / DRIVE ASS'Y
FRONT
LAMP BALLAST BLOCK
TOP DUCT PLATE
TOP DUCT
DEVICE SHIELD
SHIELD TOP CASE
SHIELD COVER
OPTICAL BLOCK
LAMP COVER SW BRACKET
152
213
143
142
144
147
151
146
145
211
141
139
137
140
139
138
136
151
135
214
134
152A
133
132
150
151
210
131

# PRINTED WIRING BOARD PARTS LIST [HD-52G587]

## ANALOG P.W. BOARD ASS'Y (SRA-1013A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC101 | R2S11004FT | IC | | |
| IC102 | R2S11003FT | IC | | |
| IC381 | M62320FP-X | IC | | |
| IC601 | NJW1182FP1 | IC | | |
| IC602 | PQ20WZ11-X | IC | | |
| IC605 | TDA8928ST/N1 | IC | | |
| IC606 | M62320FP-X | IC | | |
| IC607 | LM393DR-X | IC | | |
| IC610 | RC4558D-X | IC | | |
| IC902 | MM1663DT-X | IC | | |
| Q106 | SSM3K17FU-X | MOS FET | | |
| Q107 | SSM3K17FU-X | MOS FET | | |
| Q108 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q109 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q110 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q111 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q112 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q113 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q451 | UN2226-X | DIGI TRANSISTOR | | |
| Q452 | UN2226-X | DIGI TRANSISTOR | | |
| Q453 | UN2110-X | DIGI TRANSISTOR | | |
| Q605 | UN2212-X | DIGI TRANSISTOR | | |
| Q606 | UN2112-X | DIGI TRANSISTOR | | |
| Q607 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q614 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q901 | 2SC5881/QR/-X | POW TRANSISTOR | | |
| Q902 | 2SC5881/QR/-X | POW TRANSISTOR | | |
| D105 | 1SS355W-X | DIODE | | |
| D110 | 1SS355W-X | DIODE | | |
| D121 | MA8056/M/-X | Z DIODE | | |
| D122 | MA8056/M/-X | Z DIODE | | |
| D123 | MA8056/M/-X | Z DIODE | | |
| D124 | MA8056/M/-X | Z DIODE | | |
| D125 | MA8056/M/-X | Z DIODE | | |
| D126 | MA8056/M/-X | Z DIODE | | |
| D131 | MA8100/M/-X | Z DIODE | | |
| D132 | MA8100/M/-X | Z DIODE | | |
| D133 | MA8100/M/-X | Z DIODE | | |
| D134 | MA8100/M/-X | Z DIODE | | |
| D135 | MA8100/M/-X | Z DIODE | | |
| D136 | MA8100/M/-X | Z DIODE | | |
| D401 | UDZW10B-X | Z DIODE | | |
| D402 | UDZW10B-X | Z DIODE | | |
| D403 | UDZW10B-X | Z DIODE | | |
| D404 | UDZW10B-X | Z DIODE | | |
| D405 | UDZW10B-X | Z DIODE | | |
| D406 | UDZW10B-X | Z DIODE | | |
| D407 | UDZW10B-X | Z DIODE | | |
| D408 | UDZW10B-X | Z DIODE | | |
| D409 | UDZW10B-X | Z DIODE | | |
| D410 | UDZW10B-X | Z DIODE | | |
| D411 | UDZW10B-X | Z DIODE | | |
| D412 | UDZW10B-X | Z DIODE | | |
| D413 | UDZW10B-X | Z DIODE | | |
| D414 | UDZW10B-X | Z DIODE | | |
| D415 | UDZW10B-X | Z DIODE | | |
| D416 | UDZW10B-X | Z DIODE | | |
| D417 | UDZW10B-X | Z DIODE | | |
| D418 | UDZW10B-X | Z DIODE | | |
| D419 | UDZW10B-X | Z DIODE | | |
| D420 | UDZW10B-X | Z DIODE | | |
| D421 | UDZW10B-X | Z DIODE | | |
| D423 | UDZW10B-X | Z DIODE | | |
| D424 | UDZW10B-X | Z DIODE | | |
| D451 | UDZW10B-X | Z DIODE | | |
| D452 | UDZW10B-X | Z DIODE | | |
| D461 | UDZW10B-X | Z DIODE | | |
| D462 | UDZW10B-X | Z DIODE | | |
| D463 | UDZW10B-X | Z DIODE | | |
| D464 | UDZW10B-X | Z DIODE | | |
| D465 | UDZW10B-X | Z DIODE | | |
| D466 | UDZW10B-X | Z DIODE | | |
| D491 | UDZW3.3B-X | Z DIODE | | |
| D492 | S9648 | PHOTO CONDUCTOR | | |
| D601 | 1SS355W-X | DIODE | | |
| D605 | 1SS355W-X | DIODE | | |
| D606 | 1SS355W-X | DIODE | | |
| D607 | 1SS355W-X | DIODE | | |
| D608 | 1SS355W-X | DIODE | | |
| D610 | UDZW20B-X | Z DIODE | | |
| D611 | UDZW20B-X | Z DIODE | | |
| D612 | UDZW20B-X | Z DIODE | | |
| D613 | UDZW20B-X | Z DIODE | | |
| D615 | 1SS355W-X | DIODE | | |
| D616 | UDZW3.3B-X | Z DIODE | | |
| D618 | 1SS355W-X | DIODE | | |
| D619 | UDZW6.2B-X | Z DIODE | | |
| D903 | PTZ11B-X | Z DIODE | | |
| D904 | PTZ6.8B-X | Z DIODE | | |
| C102 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K | |
| C103 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K | |
| C106 | NEHL1EM-475X | E CAPACITOR | 4.7uF 25V M | |
| C107 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C108 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C109 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C110 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C111 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C112 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C115 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C116 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C117 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C118 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C119 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C120 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C121 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C122 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C123 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C124 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C125 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C126 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C127 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C128 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C129 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C130 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C131 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C132 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C133 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C134 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C136 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C137 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C138 | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K | |
| C140 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C141 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C142 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C143 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C156 | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K | |
| C157 | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K | |
| C158 | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K | |
| C159 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C160 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C161 | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K | |
| C162 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C163 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C164 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C165 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C166 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C167 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C168 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C169 | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K | |
| C170 | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K | |
| C171 | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K | |
| C172 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C173 | NDC31HJ-680X | C CAPACITOR | 68pF 50V J | |
| C174 | NDC31HJ-331X | C CAPACITOR | 330pF 50V J | |
| C175 | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K | |
| C176 | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K | |
| C177 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C178 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C179 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C180 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C181 | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K | |
| C182 | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K | |
| C183 | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K | |
| C184 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C185 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C187 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C189 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C191 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C192 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C193 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C199 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C200 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C201 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C202 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C203 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C211 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J | |
| C212 | NDC31HJ-820X | C CAPACITOR | 82pF 50V J | |
| C221 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C222 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C223 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C224 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C225 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C226 | NDC31HJ-181X | C CAPACITOR | 180pF 50V J | |
| C227 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C228 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C229 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C237 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C238 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C239 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C306 | NEHL1EM-475X | E CAPACITOR | 4.7uF 25V M | |
| C307 | NEHL1EM-475X | E CAPACITOR | 4.7uF 25V M | |
| C381 | NDC31HJ-680X | C CAPACITOR | 68pF 50V J | |
| C382 | NDC31HJ-680X | C CAPACITOR | 68pF 50V J | |
| C383 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C401 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C402 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C403 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C404 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C405 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C406 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C407 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C408 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C409 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C410 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C411 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C412 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C413 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C414 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C415 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C416 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C417 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C418 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C419 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C422 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C423 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C451 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K | |
| C452 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K | |
| C453 | NCB11CK-105X | C CAPACITOR | 1uF 16V K | |
| C461 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C462 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C463 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C464 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C465 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C466 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C468 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C469 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C491 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C492 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C493 | NEHL1CM-107X | E CAPACITOR | 100uF 16V M | |
| C494 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C601 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C602 | NEHL1EM-336X | E CAPACITOR | 33uF 25V M | |
| C603 | NEHL1EM-336X | E CAPACITOR | 33uF 25V M | |
| C604 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C605 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C606 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C607 | QETM1EM-477 | E CAPACITOR | 470uF 25V M | |
| C616 | NEHL1EM-475X | E CAPACITOR | 4.7uF 25V M | |
| C617 | NEHL1EM-475X | E CAPACITOR | 4.7uF 25V M | |
| C623 | NCB21CK-184X | C CAPACITOR | 0.18uF 16V K | |
| C624 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K | |
| C625 | NCB31HK-183X | C CAPACITOR | 0.018uF 50V K | |
| C628 | NCB31HK-123X | C CAPACITOR | 0.012uF 50V K | |
| C629 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K | |
| C630 | NCB21CK-184X | C CAPACITOR | 0.18uF 16V K | |
| C632 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C633 | NCB31HK-822X | C CAPACITOR | 8200pF 50V K | |
| C634 | NCB31HK-822X | C CAPACITOR | 8200pF 50V K | |
| C635 | NCB31HK-681X | C CAPACITOR | 680pF 50V K | |
| C636 | NCB31HK-681X | C CAPACITOR | 680pF 50V K | |
| C638 | NCB31EK-223X | C CAPACITOR | 0.022uF 25V K | |
| C639 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C643 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C644 | NEHL1EM-475X | E CAPACITOR | 4.7uF 25V M | |
| C647 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C648 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C649 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C650 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C651 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C653 | NCB31EK-223X | C CAPACITOR | 0.022uF 25V K | |
| C654 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K | |
| C655 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C659 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C660 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C661 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C662 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C663 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C664 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C665 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C666 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C667 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C668 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C669 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C679 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C680 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C681 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C682 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C683 | NCB31HK-332X | C CAPACITOR | 3300pF 50V K | |
| C684 | NCB31HK-332X | C CAPACITOR | 3300pF 50V K | |
| C685 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K | |
| C686 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K | |
| C687 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C688 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C689 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C690 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C691 | NEHL1EM-226X | E CAPACITOR | 22uF 25V M | |
| C692 | NEHL1EM-226X | E CAPACITOR | 22uF 25V M | |
| C693 | NCB11EK-105X | C CAPACITOR | 1uF 25V K | |
| C694 | NCB11EK-105X | C CAPACITOR | 1uF 25V K | |
| C697 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C698 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C699 | QETM1HM-226 | E CAPACITOR | 22uF 50V M | |
| C700 | QETM1HM-226 | E CAPACITOR | 22uF 50V M | |
| C701 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C702 | QETM1EM-477 | E CAPACITOR | 470uF 25V M | |
| C704 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C705 | QETM1EM-477 | E CAPACITOR | 470uF 25V M | |
| C707 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C708 | NCB31HK-561X | C CAPACITOR | 560pF 50V K | |
| C709 | NCB31HK-561X | C CAPACITOR | 560pF 50V K | |
| C711 | NCB31HK-561X | C CAPACITOR | 560pF 50V K | |
| C712 | NCB31HK-561X | C CAPACITOR | 560pF 50V K | |
| C713 | QFVF1HJ-224Z | MF CAPACITOR | 0.22uF 50V J | |
| C716 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C717 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C719 | QFVF1HJ-224Z | MF CAPACITOR | 0.22uF 50V J | |
| C720 | QFVF1HJ-224Z | MF CAPACITOR | 0.22uF 50V J | |
| C721 | QFVF1HJ-224Z | MF CAPACITOR | 0.22uF 50V J | |
| C722 | NCB31HK-153X | C CAPACITOR | 0.015uF 50V K | |
| C723 | NCB31HK-153X | C CAPACITOR | 0.015uF 50V K | |
| C724 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C726 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C727 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C728 | QETM1EM-477 | E CAPACITOR | 470uF 25V M | |
| C734 | NENA1CM-475X | BP E CAPACITOR | 4.7uF 16V M | |
| C739 | NENA1CM-475X | BP E CAPACITOR | 4.7uF 16V M | |
| C740 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C741 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C742 | NEHL1HM-105X | E CAPACITOR | 1uF 50V M | |
| C743 | NEHL1HM-105X | E CAPACITOR | 1uF 50V M | |
| C744 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C745 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C904 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C905 | NEHM1CM-476X | E CAPACITOR | 47uF 16V M | |
| C911 | NEX51CM-335X | E CAPACITOR | 3.3uF 16V M | |
| C912 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C913 | NEX51CM-335X | E CAPACITOR | 3.3uF 16V M | |
| C914 | NEX50JM-156X | E CAPACITOR | 15uF 6.3V M | |
| C915 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C916 | NEX50JM-156X | E CAPACITOR | 15uF 6.3V M | |
| R126 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R127 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R128 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R136 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R137 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R140 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R141 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R142 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R143 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R144 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R145 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R146 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R147 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R148 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R149 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R150 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R151 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R152 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R157 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R160 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R161 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R164 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R165 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R166 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R167 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R168 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R169 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R171 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R172 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R174 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R175 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R176 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R178 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R179 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R180 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R181 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R183 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R184 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R189 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R190 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R192 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R206 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R207 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R208 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R209 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R210 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R219 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R220 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R221 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R223 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R224 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R225 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R228 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R229 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R230 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R231 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R232 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R233 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R234 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R235 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R241 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R243 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R245 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R246 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R247 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R249 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R251 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R253 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R255 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R257 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R259 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R260 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R261 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R262 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R263 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R264 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R265 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R266 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R267 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R282 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R283 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R286 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R301 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R302 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R316 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R317 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R318 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R319 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R324 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R325 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R382 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R384 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R385 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R387 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R388 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R389 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R390 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R391 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R392 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R393 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R394 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R395 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R401 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R402 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R403 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R404 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R405 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R407 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R408 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R409 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R410 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R411 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R412 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R413 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R414 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R415 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R416 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R417 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R418 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R419 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R420 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R422 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R423 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R451 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R452 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | |
| R453 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R454 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R455 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | |
| R456 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R457 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R458 | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J | |
| R461 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R462 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R463 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R464 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R465 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R466 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R467 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R468 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R469 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R470 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R471 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R474 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R475 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R476 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R491 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R588 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R589 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R590 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R591 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R592 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R593 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R594 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R597 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R598 | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J | |
| R599 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R601 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R602 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R603 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R604 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R605 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R606 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R607 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R608 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R620 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R623 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R625 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R628 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R634 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| R635 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R636 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R638 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R641 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R642 | NRSA63J-163X | MG RESISTOR | 16kΩ 1/16W J | |
| R644 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R645 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R647 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R649 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J | |
| R650 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R651 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R652 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R653 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R659 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R660 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R672 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R673 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R674 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R675 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R676 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R677 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R678 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R679 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R680 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R681 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R682 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R683 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R684 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R685 | QRJ149J-102 | UNF C RESISTOR | 1kΩ 1/4W J | |
| R687 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R694 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R695 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R696 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R700 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R701 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R702 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R703 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R704 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R705 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R706 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R718 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R719 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R720 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| R722 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R723 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R724 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R725 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R726 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R727 | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J | |
| R728 | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J | |
| R729 | QRK129J-5R6 | UNF C RESISTOR | 5.6Ω 1/2W J | |
| R730 | QRK129J-5R6 | UNF C RESISTOR | 5.6Ω 1/2W J | |
| R731 | QRK129J-220 | UNF C RESISTOR | 22Ω 1/2W J | |
| R732 | QRK129J-220 | UNF C RESISTOR | 22Ω 1/2W J | |
| R733 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| R735 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R736 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R737 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R738 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R739 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R740 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | |
| R741 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R742 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R743 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R744 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R751 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R771 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R772 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R773 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R774 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R775 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R776 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R777 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R778 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R781 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R782 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R791 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R792 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R793 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R794 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R795 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R796 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R797 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R798 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R905 | NRSA63J-274X | MG RESISTOR | 270kΩ 1/16W J | |
| R907 | NRS12BJ-471W | MG RESISTOR | 470Ω 1/2W J | |
| R908 | NRS12BJ-471W | MG RESISTOR | 470Ω 1/2W J | |
| R917 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R951 | NRSA63J-820X | MG RESISTOR | 82Ω 1/16W J | |
| R952 | NRSA63J-820X | MG RESISTOR | 82Ω 1/16W J | |
| R953 | NRSA63J-820X | MG RESISTOR | 82Ω 1/16W J | |
| R954 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R957 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R958 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R967 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R968 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R969 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R971 | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J | |
| R972 | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J | |
| R973 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R974 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R975 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R976 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| L101 | NQL79GM-100X | COIL | 10uH M | |
| L601 | QQR0621-002Z | FERRITE BEADS | | |
| L602 | QQR0621-002Z | FERRITE BEADS | | |
| L605 | NQLC8CM-560X | COIL | 56uH M | |
| L606 | NQLC8CM-560X | COIL | 56uH M | |
| L901 | NQL52EM-220X | COIL | 22uH M | |
| L902 | NQL52EM-220X | COIL | 22uH M | |
| L903 | NQL52EM-220X | COIL | 22uH M | |
| L904 | NQL52EM-220X | COIL | 22uH M | |
| CN011 | QGF0508C2-50W | CONNECTOR | FFC/FPC (1-50) | |
| CN012 | QGF0508C2-40W | CONNECTOR | FFC/FPC (1-40) | |
| J401 | QNZ0825-001 | AV JACK | INPUT-1(S/V/L/R) | |
| J402 | QNN0349-002 | PIN JACK | INPUT-1(COMPONENT) | |
| J403 | QNN0764-001 | PIN JACK | INPUT-2(V/L/R) | |
| J404 | QNN0349-002 | PIN JACK | INPUT-2(COMPONENT) | |
| J405 | QNZ0825-001 | AV JACK | INPUT-3(S/V/L/R) | |
| J406 | QNN0766-001 | PIN JACK | HDMI1(L/R) | |
| J409 | QNN0766-001 | PIN JACK | AUDIO-OUT(L/R) | |
| J410 | QNZ0561-001 | D CONNECTOR | PC IN(D-SUB) | |
| K601 | NQR0499-002X | FERRITE BEADS | | |
| K602 | NQR0499-002X | FERRITE BEADS | | |
| K603 | NQR0499-002X | FERRITE BEADS | | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| K604 | NQR0499-002X | FERRITE BEADS | | |

## DRIVE P.W. BOARD ASS'Y (SRA-3005A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC3101 | ASI5100 | IC(DILA DRIVER) | | |
| IC3102 | K4S161622H-UC60 | IC | | |
| IC3103 | K4S161622H-UC60 | IC | | |
| IC3104 | K4S161622H-UC60 | IC | | |
| IC3105 | K4S161622H-UC60 | IC | | |
| IC3161 | RC4558D-X | IC | | |
| IC3162 | RC4558D-X | IC | | |
| IC3163 | RC4558D-X | IC | | |
| IC3201 | ASI5100 | IC(DILA DRIVER) | | |
| IC3202 | K4S161622H-UC60 | IC | | |
| IC3203 | K4S161622H-UC60 | IC | | |
| IC3204 | K4S161622H-UC60 | IC | | |
| IC3205 | K4S161622H-UC60 | IC | | |
| IC3206 | SN74LVC1G125V-X | IC | | |
| IC3261 | RC4558D-X | IC | | |
| IC3262 | RC4558D-X | IC | | |
| IC3263 | RC4558D-X | IC | | |
| IC3301 | ASI5100 | IC(DILA DRIVER) | | |
| IC3302 | K4S161622H-UC60 | IC | | |
| IC3303 | K4S161622H-UC60 | IC | | |
| IC3304 | K4S161622H-UC60 | IC | | |
| IC3305 | K4S161622H-UC60 | IC | | |
| IC3361 | RC4558D-X | IC | | |
| IC3362 | RC4558D-X | IC | | |
| IC3363 | RC4558D-X | IC | | |
| IC3701 | AT89C51RD2RLTUM | IC | | |
| IC3705 | SN74LVC1G66V-X | IC | | |
| IC3706 | SN74LVC1G66V-X | IC | | |
| IC3709 | SN74AHCT1G08V-X | IC | | |
| IC3710 | SN74LVC1G66V-X | IC | | |
| IC3711 | SN74LVC1G66V-X | IC | | |
| IC3743 | CD74HC4053PW-X | IC | | |
| IC3746 | SN74LVC541APW-X | IC | | |
| IC3801 | JCC5066 | IC | | |
| IC3803 | K4S643232H-UC60 | IC | | |
| IC3892 | R1170H251B-X | IC | | |
| IC3901 | SI-8011NVS-X | IC | | |
| IC3902 | PQ1CY1032Z-W | IC | | |
| IC3903 | LM2941S-W | IC | | |
| IC3905 | BA50BC0FP-X | IC | | |
| IC3906 | PQ20WZ11-X | IC | | |
| Q3702 | UN2211-X | TRANSISTOR | | |
| Q3706 | 2SK1374-X | MOS FET | | |
| Q3707 | 2SK1374-X | MOS FET | | |
| Q3901 | UPA2751GR-X | POWER MOS FET | | |
| Q3902 | UN2211-X | TRANSISTOR | | |
| Q3903 | UN2211-X | TRANSISTOR | | |
| Q3904 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q3905 | UN2211-X | TRANSISTOR | | |
| Q3906 | UN2211-X | TRANSISTOR | | |
| Q3907 | IMD14-W | TRANSISTOR | | |
| Q3908 | CPH3116-X | CHIP TRANSISTOR | | |
| D3161 | MA8056/M/-X | Z DIODE | | |
| D3261 | MA8056/M/-X | Z DIODE | | |
| D3361 | MA8056/M/-X | Z DIODE | | |
| D3701 | STZ6.8N-X | Z DIODE | | |
| D3702 | STZ6.8N-X | Z DIODE | | |
| D3703 | STZ6.8N-X | Z DIODE | | |
| D3704 | STZ6.8N-X | Z DIODE | | |
| D3705 | STZ6.8N-X | Z DIODE | | |
| D3706 | STZ6.8N-X | Z DIODE | | |
| D3707 | STZ6.8N-X | Z DIODE | | |
| D3708 | STZ6.8N-X | Z DIODE | | |
| D3741 | STZ6.8N-X | Z DIODE | | |
| D3742 | STZ6.8N-X | Z DIODE | | |
| D3901 | MA111-X | SI DIODE | | |
| D3902 | EC30HA03L-X | SB DIODE | | |
| D3903 | PTZ3.9B-X | Z DIODE | | |
| D3931 | EC30HA03L-X | SB DIODE | | |
| D3932 | EC30HA03L-X | SB DIODE | | |
| D3933 | PTZ6.8B-X | Z DIODE | | |
| D3935 | MA8043/L/-X | Z DIODE | | |
| D3936 | MA8043/L/-X | Z DIODE | | |
| D3937 | MA111-X | SI DIODE | | |
| C3008 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C3101 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3104 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3105 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C3106 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3107 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3108 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3109 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3110 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3111 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3112 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3113 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3114 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3121 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3122 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3123 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3124 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3125 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3126 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3127 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3128 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3129 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3130 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3131 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3132 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3141 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3142 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3143 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3144 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3145 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3146 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3147 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3148 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3149 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3150 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3151 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3152 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3162 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3164 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3165 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3166 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3167 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3168 | NCB21AK-105X | C CAPACITOR | 1uF 10V K | |
| C3169 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3170 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3171 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3172 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3191 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3192 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3193 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C3195 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3196 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3197 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C3198 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3199 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C3201 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3202 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J | |
| C3203 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J | |
| C3204 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3205 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3206 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3207 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3208 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3209 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3210 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3211 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3212 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3213 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3214 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3215 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3221 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3222 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3223 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3224 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3225 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3226 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3227 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3228 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3229 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3230 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3231 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3232 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3241 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3242 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3243 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3244 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3245 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3246 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3247 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3248 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3249 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3250 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3251 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3252 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3262 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3264 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3265 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3266 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3267 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3268 | NCB21AK-105X | C CAPACITOR | 1uF 10V K | |
| C3269 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3270 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3271 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3272 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3291 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3292 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3293 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C3295 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3296 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3297 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C3298 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3299 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C3301 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3304 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3305 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3306 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3307 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3308 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3309 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3310 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3311 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3312 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3313 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3314 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3321 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3322 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3323 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3324 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3325 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3326 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3327 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3328 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3329 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3330 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3331 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3332 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3341 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3342 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3343 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3344 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3345 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3346 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3347 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3348 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3349 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3350 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3351 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3352 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3362 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3364 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3365 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3366 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3367 | NCB21AK-105X | C CAPACITOR | 1uF 10V K | |
| C3368 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3369 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3370 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3371 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3372 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3391 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3392 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3393 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C3395 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3396 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3397 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C3398 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3399 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C3701 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3702 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3703 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C3704 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C3706 | NDC31HJ-3R0X | C CAPACITOR | 3pF 50V J | |
| C3707 | NDC31HJ-3R0X | C CAPACITOR | 3pF 50V J | |
| C3708 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3709 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C3710 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | |
| C3711 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J | |
| C3712 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C3713 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C3715 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3716 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3720 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3721 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3722 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3723 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C3724 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3741 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3742 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3743 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3746 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3747 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C3748 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C3749 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C3751 | NCB21AK-105X | C CAPACITOR | 1uF 10V K | |
| C3801 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3802 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3803 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3804 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3805 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3806 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3807 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3808 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3809 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3810 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3811 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3812 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3813 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3814 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3815 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3816 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3817 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3818 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3820 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3821 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3823 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3824 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3826 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3827 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3833 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C3834 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C3838 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3839 | NBE50JM-107X | TA E CAPACITOR | 100uF 6.3V M | |
| C3840 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3841 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C3842 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3861 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C3862 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3863 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3864 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3865 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3866 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3867 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3868 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3869 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3870 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3871 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3872 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3873 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3874 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3891 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3892 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3901 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C3902 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C3903 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C3904 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J | |
| C3905 | NDC31HJ-470X | C CAPACITOR | 47pF 50V J | |
| C3906 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C3907 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C3908 | NCB31HK-272X | C CAPACITOR | 2700pF 50V K | |
| C3909 | NCB11AK-475X | C CAPACITOR | 4.7uF 10V K | |
| C3910 | NCB11AK-475X | C CAPACITOR | 4.7uF 10V K | |
| C3911 | NBZ0010-396X | SP E CAPACITOR | 39uF 16V M | |
| C3912 | NBZ0007-107X | SP E CAPACITOR | 100uF 4V M | |
| C3913 | NEHM0JM-476X | E CAPACITOR | 47uF 6.3V M | |
| C3931 | NBZ0010-396X | SP E CAPACITOR | 39uF 16V M | |
| C3932 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K | |
| C3933 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C3934 | NELA1AM-157X | E CAPACITOR | 150uF 10V M | |
| C3936 | NEHM1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3941 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C3942 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C3951 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3952 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3953 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3954 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3958 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3959 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3960 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3961 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3965 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C3966 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3967 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3968 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3969 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C3970 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3971 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3972 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3973 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3974 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C3975 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| R3006 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3010 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3018 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3019 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3020 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3021 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3046 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| R3047 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| R3048 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| R3102 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3103 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3104 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R3105 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R3106 | NRSA63D-151X | MG RESISTOR | 150Ω 1/16W D | |
| R3107 | NRSA63D-181X | MG RESISTOR | 180Ω 1/16W D | |
| R3111 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R3112 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3113 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3114 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3115 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3116 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3117 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3118 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3119 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3121 | NQR0271-001X | EMI FILTER | | |
| R3122 | NQR0271-001X | EMI FILTER | | |
| R3123 | NQR0271-001X | EMI FILTER | | |
| R3124 | NQR0271-001X | EMI FILTER | | |
| R3125 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3126 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3127 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3128 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3129 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3130 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R3131 | NQR0271-001X | EMI FILTER | | |
| R3132 | NQR0271-001X | EMI FILTER | | |
| R3133 | NQR0271-001X | EMI FILTER | | |
| R3134 | NQR0271-001X | EMI FILTER | | |
| R3135 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3137 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3141 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3142 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3143 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3144 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3145 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R3146 | NRSA63D-181X | MG RESISTOR | 180Ω 1/16W D | |
| R3147 | NRSA63D-151X | MG RESISTOR | 150Ω 1/16W D | |
| R3151 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3152 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3153 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3154 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3161 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3162 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3163 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3165 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3166 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3167 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3168 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3169 | NRSA63D-202X | MG RESISTOR | 2kΩ 1/16W D | |
| R3170 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3171 | NRSA63D-202X | MG RESISTOR | 2kΩ 1/16W D | |
| R3181 | NRSA63D-302X | MG RESISTOR | 3kΩ 1/16W D | |
| R3184 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3185 | NRSA63D-202X | MG RESISTOR | 2kΩ 1/16W D | |
| R3186 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3187 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3188 | NRSA63D-202X | MG RESISTOR | 2kΩ 1/16W D | |
| R3189 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3190 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3191 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3192 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R3196 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3197 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3198 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3199 | NRS12BJ-0R0W | MG RESISTOR | 0Ω 1/2W J | |
| R3201 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R3202 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3203 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3204 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R3205 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R3206 | NRSA63D-151X | MG RESISTOR | 150Ω 1/16W D | |
| R3207 | NRSA63D-181X | MG RESISTOR | 180Ω 1/16W D | |
| R3210 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3211 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R3212 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3213 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3214 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3215 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3216 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3217 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3218 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3219 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3221 | NQR0271-001X | EMI FILTER | | |
| R3222 | NQR0271-001X | EMI FILTER | | |
| R3223 | NQR0271-001X | EMI FILTER | | |
| R3224 | NQR0271-001X | EMI FILTER | | |
| R3225 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3226 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3227 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3228 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3229 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3230 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R3231 | NQR0271-001X | EMI FILTER | | |
| R3232 | NQR0271-001X | EMI FILTER | | |
| R3233 | NQR0271-001X | EMI FILTER | | |
| R3234 | NQR0271-001X | EMI FILTER | | |
| R3237 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3241 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3242 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3243 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3244 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3245 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R3246 | NRSA63D-181X | MG RESISTOR | 180Ω 1/16W D | |
| R3247 | NRSA63D-151X | MG RESISTOR | 150Ω 1/16W D | |
| R3251 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3252 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3253 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3254 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3255 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R3256 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R3257 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R3261 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3262 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3263 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3265 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3266 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3267 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3268 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3269 | NRSA63D-202X | MG RESISTOR | 2kΩ 1/16W D | |
| R3270 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3271 | NRSA63D-202X | MG RESISTOR | 2kΩ 1/16W D | |
| R3281 | NRSA63D-302X | MG RESISTOR | 3kΩ 1/16W D | |
| R3284 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3285 | NRSA63D-202X | MG RESISTOR | 2kΩ 1/16W D | |
| R3286 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3287 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3288 | NRSA63D-202X | MG RESISTOR | 2kΩ 1/16W D | |
| R3289 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3290 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3291 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3292 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R3296 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3297 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3298 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3299 | NRS12BJ-0R0W | MG RESISTOR | 0Ω 1/2W J | |
| R3302 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3303 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3304 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R3305 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R3306 | NRSA63D-151X | MG RESISTOR | 150Ω 1/16W D | |
| R3307 | NRSA63D-181X | MG RESISTOR | 180Ω 1/16W D | |
| R3311 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R3312 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3313 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3314 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3315 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3316 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3317 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3318 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3319 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3321 | NQR0271-001X | EMI FILTER | | |
| R3322 | NQR0271-001X | EMI FILTER | | |
| R3323 | NQR0271-001X | EMI FILTER | | |
| R3324 | NQR0271-001X | EMI FILTER | | |
| R3325 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3326 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3327 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3328 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3329 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3330 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R3331 | NQR0271-001X | EMI FILTER | | |
| R3332 | NQR0271-001X | EMI FILTER | | |
| R3333 | NQR0271-001X | EMI FILTER | | |
| R3334 | NQR0271-001X | EMI FILTER | | |
| R3335 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3337 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3341 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3342 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3343 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3344 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3345 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R3346 | NRSA63D-181X | MG RESISTOR | 180Ω 1/16W D | |
| R3347 | NRSA63D-151X | MG RESISTOR | 150Ω 1/16W D | |
| R3351 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3352 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3353 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3354 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3361 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3362 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3363 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3365 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3366 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3367 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3368 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3369 | NRSA63D-202X | MG RESISTOR | 2kΩ 1/16W D | |
| R3370 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3371 | NRSA63D-202X | MG RESISTOR | 2kΩ 1/16W D | |
| R3381 | NRSA63D-302X | MG RESISTOR | 3kΩ 1/16W D | |
| R3384 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3385 | NRSA63D-202X | MG RESISTOR | 2kΩ 1/16W D | |
| R3386 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3387 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3388 | NRSA63D-202X | MG RESISTOR | 2kΩ 1/16W D | |
| R3389 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3390 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3391 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3392 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R3396 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3397 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3398 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3399 | NRS12BJ-0R0W | MG RESISTOR | 0Ω 1/2W J | |
| R3601 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3602 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3605 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3606 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3607 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R3608 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3611 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3612 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3613 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3614 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3615 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3621 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3701 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3702 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3703 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3704 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3705 | NRZ0040-101X | NET RESISTOR | 100Ω 1/16W J x4 | |
| R3706 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R3707 | NRZ0040-101X | NET RESISTOR | 100Ω 1/16W J x4 | |
| R3708 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3709 | NRZ0040-101X | NET RESISTOR | 100Ω 1/16W J x4 | |
| R3711 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3712 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3713 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3714 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R3715 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R3716 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R3717 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R3718 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3719 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R3723 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R3724 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R3725 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3726 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3727 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R3728 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3730 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3733 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3735 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3736 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3737 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3738 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3739 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3741 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R3742 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R3743 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3744 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R3745 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3746 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3747 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3748 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3749 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3750 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R3751 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R3752 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3754 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3755 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3756 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3757 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3758 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3759 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3762 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3763 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3764 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3765 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3768 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3769 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3771 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3772 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J | |
| R3773 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J | |
| R3774 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| R3775 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R3776 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R3783 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R3794 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3795 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3796 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3798 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3801 | NRZ0040-100X | NET RESISTOR | 10Ω 1/16W J x4 | |
| R3802 | NRZ0040-100X | NET RESISTOR | 10Ω 1/16W J x4 | |
| R3803 | NRZ0040-100X | NET RESISTOR | 10Ω 1/16W J x4 | |
| R3804 | NRZ0040-100X | NET RESISTOR | 10Ω 1/16W J x4 | |
| R3805 | NRZ0040-100X | NET RESISTOR | 10Ω 1/16W J x4 | |
| R3806 | NRZ0040-100X | NET RESISTOR | 10Ω 1/16W J x4 | |
| R3807 | NRZ0040-100X | NET RESISTOR | 10Ω 1/16W J x4 | |
| R3808 | NRZ0040-100X | NET RESISTOR | 10Ω 1/16W J x4 | |
| R3809 | NRZ0040-0R0X | NET RESISTOR | 0Ω 1/16W J x4 | |
| R3810 | NRZ0040-0R0X | NET RESISTOR | 0Ω 1/16W J x4 | |
| R3811 | NRZ0040-0R0X | NET RESISTOR | 0Ω 1/16W J x4 | |
| R3812 | NRZ0040-0R0X | NET RESISTOR | 0Ω 1/16W J x4 | |
| R3813 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R3814 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R3815 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R3816 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R3817 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R3818 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R3819 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R3820 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R3821 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3822 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3823 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3824 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3825 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3826 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3827 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3832 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3835 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R3836 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3839 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3840 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R3841 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3846 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R3849 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3865 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3866 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3867 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R3869 | NRSA63D-203X | MG RESISTOR | 20kΩ 1/16W D | |
| R3872 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3874 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3875 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3876 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3877 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3878 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3879 | NRSA63D-750X | MG RESISTOR | 75Ω 1/16W D | |
| R3883 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R3884 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3885 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3888 | NRSA63D-203X | MG RESISTOR | 20kΩ 1/16W D | |
| R3889 | NRSA63D-750X | MG RESISTOR | 75Ω 1/16W D | |
| R3890 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3895 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3896 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3898 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3901 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R3902 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R3903 | NRSA63D-222X | MG RESISTOR | 2.2kΩ 1/16W D | |
| R3904 | NRSA63D-222X | MG RESISTOR | 2.2kΩ 1/16W D | |
| R3905 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R3906 | NRSA63D-222X | MG RESISTOR | 2.2kΩ 1/16W D | |
| R3908 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R3909 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3910 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R3911 | NRSA63J-180X | MG RESISTOR | 18Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R3912 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R3913 | NRZ0075-R005X | MP RESISTOR | 0.005Ω 1W J | |
| R3917 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R3918 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3931 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3932 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R3933 | NRSA63D-122X | MG RESISTOR | 1.2kΩ 1/16W D | |
| R3934 | NRSA63D-822X | MG RESISTOR | 8.2kΩ 1/16W D | |
| R3935 | NRSA63D-332X | MG RESISTOR | 3.3kΩ 1/16W D | |
| R3939 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3951 | NRSA63D-561X | MG RESISTOR | 560Ω 1/16W D | |
| R3952 | NRSA63D-472X | MG RESISTOR | 4.7kΩ 1/16W D | |
| R3953 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3954 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3960 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3968 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R3969 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3970 | NRSA63D-202X | MG RESISTOR | 2kΩ 1/16W D | |
| R3971 | NRSA63D-471X | MG RESISTOR | 470Ω 1/16W D | |
| R3972 | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J | |
| R3977 | NRS12BJ-0R0W | MG RESISTOR | 0Ω 1/2W J | |
| R3978 | NRS12BJ-0R0W | MG RESISTOR | 0Ω 1/2W J | |
| R3979 | NRS12BJ-0R0W | MG RESISTOR | 0Ω 1/2W J | |
| R3981 | NRS12BJ-102W | MG RESISTOR | 1kΩ 1/2W J | |
| R3982 | NRS12BJ-102W | MG RESISTOR | 1kΩ 1/2W J | |
| R3983 | NRS12BJ-471W | MG RESISTOR | 470Ω 1/2W J | |
| R3990 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R3991 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3992 | NRSA02J-101X | MG RESISTOR | 100Ω 1/10W J | |
| R3993 | NRS12BJ-1R0W | MG RESISTOR | 1Ω 1/2W J | |
| R3995 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3996 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R3997 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3998 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| L3701 | NQL092K-2R2X | COIL | 2.2uH K | |
| L3901 | NQLB3EN-100X | COIL | 10uH N | |
| L3902 | NQL52EN-4R7X | COIL | 4.7uH N | |
| L3931 | NQL63EM-101X | COIL | 100uH M | |
| L3932 | NQL52EN-4R7X | COIL | 4.7uH N | |
| CN3002 | QGF0401F1-80W | CONNECTOR | FFC/FPC (1-80) | |
| CN3003 | QGF0401F1-80W | CONNECTOR | FFC/FPC (1-80) | |
| CN3004 | QGF0401F1-80W | CONNECTOR | FFC/FPC (1-80) | |
| EF3004 | NQR0504-001X | EMI FILTER | | |
| EF3005 | NQR0504-001X | EMI FILTER | | |
| EF3006 | NQR0504-001X | EMI FILTER | | |
| EF3007 | NQR0470-001X | EMI FILTER | 22pF 50V | |
| EF3008 | NQR0470-001X | EMI FILTER | 22pF 50V | |
| EF3701 | NQR0416-002X | EMI FILTER | 84pF 16V M | |
| EF3702 | NQR0470-003X | EMI FILTER | 100pF 50V | |
| EF3703 | NQR0470-003X | EMI FILTER | 100pF 50V | |
| EF3708 | NQR0416-002X | EMI FILTER | 84pF 16V M | |
| EF3709 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| EF3710 | NQR0470-001X | EMI FILTER | 22pF 50V | |
| EF3711 | NQR0470-001X | EMI FILTER | 22pF 50V | |
| EF3713 | NQR0416-002X | EMI FILTER | 84pF 16V M | |
| EF3901 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| EF3903 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| EF3904 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| EF3905 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| EF3906 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| EF3907 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| EF3909 | NQR0470-007X | EMI FILTER | 2200pF 50V | |
| EF3910 | NQR0470-007X | EMI FILTER | 2200pF 50V | |
| EF3911 | NQR0470-007X | EMI FILTER | 2200pF 50V | |
| K3001 | NQR0499-001X | FERRITE BEADS | | |
| K3191 | NQR0499-001X | FERRITE BEADS | | |
| K3192 | NQR0499-001X | FERRITE BEADS | | |
| K3193 | NQR0499-001X | FERRITE BEADS | | |
| K3194 | NQR0499-001X | FERRITE BEADS | | |
| K3195 | NQR0499-001X | FERRITE BEADS | | |
| K3196 | NQR0499-001X | FERRITE BEADS | | |
| K3291 | NQR0499-001X | FERRITE BEADS | | |
| K3292 | NQR0499-001X | FERRITE BEADS | | |
| K3293 | NQR0499-001X | FERRITE BEADS | | |
| K3294 | NQR0499-001X | FERRITE BEADS | | |
| K3295 | NQR0499-001X | FERRITE BEADS | | |
| K3296 | NQR0499-001X | FERRITE BEADS | | |
| K3391 | NQR0499-001X | FERRITE BEADS | | |
| K3392 | NQR0499-001X | FERRITE BEADS | | |
| K3393 | NQR0499-001X | FERRITE BEADS | | |
| K3394 | NQR0499-001X | FERRITE BEADS | | |
| K3395 | NQR0499-001X | FERRITE BEADS | | |
| K3396 | NQR0499-001X | FERRITE BEADS | | |
| K3701 | NQR0499-001X | FERRITE BEADS | | |
| K3861 | NQR0499-001X | FERRITE BEADS | | |
| K3891 | NQR0499-001X | FERRITE BEADS | | |
| K3893 | NQR0499-001X | FERRITE BEADS | | |
| K3894 | NQR0499-001X | FERRITE BEADS | | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| X3201 | NAX0673-001X | CRYSTAL | 14.318180MHz | |
| X3701 | NAX0781-001X | CRYSTAL | 40.000MHz | |

## REMOCON P.W. BOARD ASS'Y (SRA-8011A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC0821 | KSM-2013SY22EL | IR DETECT UNIT | | |
| D0821 | UDZW6.8B-X | Z DIODE | | |
| C0821 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C0822 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| R0821 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R0822 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R0823 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |

## TEMP P.W. BOARD ASS'Y (SRA-8202A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC2001 | LM75BIM-5-X | IC | | |
| D2001 | STZ6.8N-X | Z DIODE | | |
| C2002 | NCB21CK-105X | C CAPACITOR | 1uF 16V K | |
| R2001 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R2002 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R2003 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| K2001 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |

## FAN P.W. BOARD ASS'Y (SRA-8401A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC8001 | LM2941S-W | IC | | |
| IC8002 | PQ20WZ11-X | IC | | |
| IC8003 | PQ20WZ11-X | IC | | |
| IC8005 | SN74HC32NS-X | IC (DIGITAL) | | |
| Q8001 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q8004 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q8005 | 2SC3928A/QR/-X | TRANSISTOR | | |
| D8001 | STZ6.8N-X | Z DIODE | | |
| D8002 | STZ6.8N-X | Z DIODE | | |
| D8003 | STZ6.8N-X | Z DIODE | | |
| C8001 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C8002 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C8003 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C8004 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C8005 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C8008 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C8009 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C8010 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C8011 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C8018 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C8019 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C8020 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C8021 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C8031 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| R8001 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R8002 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R8003 | NRSA63D-222X | MG RESISTOR | 2.2kΩ 1/16W D | |
| R8004 | NRSA63D-681X | MG RESISTOR | 680Ω 1/16W D | |
| R8005 | NRSA63D-472X | MG RESISTOR | 4.7kΩ 1/16W D | |
| R8006 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R8014 | NRSA63D-472X | MG RESISTOR | 4.7kΩ 1/16W D | |
| R8015 | NRSA63D-681X | MG RESISTOR | 680Ω 1/16W D | |
| R8016 | NRSA63D-222X | MG RESISTOR | 2.2kΩ 1/16W D | |
| R8024 | NRSA63D-222X | MG RESISTOR | 2.2kΩ 1/16W D | |
| R8025 | NRSA63D-681X | MG RESISTOR | 680Ω 1/16W D | |
| R8026 | NRSA63D-202X | MG RESISTOR | 2kΩ 1/16W D | |
| R8031 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R8032 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R8033 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R8034 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R8035 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R8036 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R8041 | NRZ0040-103X | NET RESISTOR | 10kΩ 1/16W J x4 | |
| R8042 | NRZ0040-101X | NET RESISTOR | 100Ω 1/16W J x4 | |

## POWER P.W. BOARD ASS'Y (SRA-9012A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC9101 | BA50BC0FP-X | IC | | |
| IC9301 | BAJ5CC0FP-X | IC | | |
| IC9501 | STR-W6754-F5 | SW IC | | |
| IC9701 | PQ120RDA1SZ | IC | | |
| IC9721 | PQ15RW11 | IC | | |
| IC9741 | PQ1CG2032FZ | IC | | |
| Q9021 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9281 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9282 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9283 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9284 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9821 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9831 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9851 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q9852 | UN2213-X | DIGI TRANSISTOR | | |
| Q9853 | UN2213-X | DIGI TRANSISTOR | | |
| Q9861 | 2SC3928A/QR/-X | TRANSISTOR | | |
| D9021 | 1SS355-X | SI DIODE | | |
| D9101 | 1N4003SG-T2 | SI DIODE | | |
| D9102 | 1N4003SG-T2 | SI DIODE | | |
| D9103 | 1N4003SG-T2 | SI DIODE | | |
| D9104 | 1N4003SG-T2 | SI DIODE | | |
| D9106 | 1N4003SG-T2 | SI DIODE | | |
| ⚠D9201 | GBJ6JU | BRIDGE DIODE | | |
| D9281 | MA111-X | SI DIODE | | |
| D9282 | UDZS4.7B-X | Z DIODE | | |
| D9283 | UDZS2.4B-X | Z DIODE | | |
| D9301 | SK14-GA-X | SB DIODE | | |
| D9501 | SARS01-T2 | FR DIODE | | |
| D9502 | SARS01-T2 | FR DIODE | | |
| D9503 | FR105SGT-T2 | SI DIODE | | |
| D9504 | FR105SGT-T2 | SI DIODE | | |
| D9505 | MTZJ33B-T2 | Z DIODE | | |
| D9506 | FR105SGT-T2 | SI DIODE | | |
| D9507 | 1SS355-X | SI DIODE | | |
| D9510 | 1SS355-X | SI DIODE | | |
| D9512 | FR105SGT-T2 | SI DIODE | | |
| D9514 | MTZJ13B-T2 | Z DIODE | | |
| D9551 | HER202G-FL | SI DIODE | | |
| D9552 | HER202G-FL | SI DIODE | | |
| D9553 | FCH20A10 | SB DIODE | | |
| D9557 | FR105SGT-T2 | SI DIODE | | |
| D9601 | UTCTL431-T | IC | | |
| D9701 | SK14-GA-X | SB DIODE | | |
| D9702 | 1SS355-X | SI DIODE | | |
| D9721 | SK14-GA-X | SB DIODE | | |
| D9741 | FSQ05A04 | SB DIODE | | |
| D9743 | MTZJ6.8B-T2 | Z DIODE | | |
| D9821 | 1SS355-X | SI DIODE | | |
| D9831 | 1SS355-X | SI DIODE | | |
| D9832 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | |
| D9851 | UDZS5.1B-X | Z DIODE | | |
| D9852 | 1SS355-X | SI DIODE | | |
| D9861 | 1SS355-X | SI DIODE | | |
| D9862 | 1SS355-X | SI DIODE | | |
| ⚠C9001 | QFZ9072-105 | MM CAPACITOR | 1uF AC250V K | |
| ⚠C9002 | QFZ9072-224 | MM CAPACITOR | 0.22uF AC250V K | |
| ⚠C9011 | QCZ9079-102 | C CAPACITOR | 1000pF AC250V M | |
| ⚠C9013 | QCZ9079-102 | C CAPACITOR | 1000pF AC250V M | |
| C9101 | QEHR1CM-108Z | E CAPACITOR | 1000uF 16V M | |
| C9103 | QEHR1CM-108Z | E CAPACITOR | 1000uF 16V M | |
| C9104 | QEHR1CM-107Z | E CAPACITOR | 100uF 16V M | |
| ⚠C9192 | QCZ9079-102 | C CAPACITOR | 1000pF AC250V M | |
| ⚠C9193 | QCZ9079-222 | C CAPACITOR | 2200pF AC250V M | |
| ⚠C9201 | QCZ9078-222 | C CAPACITOR | 2200pF AC250V M | |
| ⚠C9202 | QCZ9078-222 | C CAPACITOR | 2200pF AC250V M | |
| ⚠C9203 | QCZ9078-222 | C CAPACITOR | 2200pF AC250V M | |
| ⚠C9204 | QCZ9078-222 | C CAPACITOR | 2200pF AC250V M | |
| C9205 | QEZ0569-827 | E CAPACITOR | 820uF 200V M | |
| C9206 | QEZ0569-827 | E CAPACITOR | 820uF 200V M | |
| C9219 | QCZ0122-471 | C CAPACITOR | 470pF 2kV K | |
| C9281 | QEHR1HM-226Z | E CAPACITOR | 22uF 50V M | |
| C9282 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9301 | QEHR1EM-107Z | E CAPACITOR | 100uF 25V M | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C9302 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C9303 | NCF11EZ-105X | C CAPACITOR | 1uF 25V Z | |
| C9501 | QFP32JK-332 | PP CAPACITOR | 3300pF 630V K | |
| C9503 | NCB31HK-332X | C CAPACITOR | 3300pF 50V K | |
| C9504 | QEHR1VM-476Z | E CAPACITOR | 47uF 35V M | |
| C9505 | NCB31HK-152X | C CAPACITOR | 1500pF 50V K | |
| C9506 | QEHR1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C9507 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C9508 | QCZ0340-471 | C CAPACITOR | 470pF 2kV K | |
| C9511 | QEHR1HM-107Z | E CAPACITOR | 100uF 50V M | |
| C9512 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9555 | QECQ1EM-188 | E CAPACITOR | 1800uF 25V M | |
| C9556 | QECQ1EM-188 | E CAPACITOR | 1800uF 25V M | |
| C9562 | QEHR1EM-477Z | E CAPACITOR | 470uF 25V M | |
| C9563 | QEHQ1VM-108 | E CAPACITOR | 1000uF 35V M | |
| C9564 | QEHQ1VM-108 | E CAPACITOR | 1000uF 35V M | |
| C9569 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9570 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9571 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9572 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9603 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C9701 | QEHR1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C9702 | QEHR1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C9721 | QEHR1EM-107Z | E CAPACITOR | 100uF 25V M | |
| C9723 | QEHR1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C9741 | QEHR1EM-108Z | E CAPACITOR | 1000uF 25V M | |
| C9742 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C9743 | QECR1AM-128Z | E CAPACITOR | 1200uF 10V M | |
| C9831 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C9851 | QEHR1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C9852 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C9876 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9877 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9878 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9879 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9880 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9881 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9882 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9883 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9884 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9895 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| ⚠R9001 | QRZ9046-105Z | C RESISTOR | 1MΩ 1/2W K | |
| R9021 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9022 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9112 | QRE121J-330Y | C RESISTOR | 33Ω 1/2W J | |
| R9113 | QRE121J-330Y | C RESISTOR | 33Ω 1/2W J | |
| ⚠R9191 | QRZ9046-685Z | C RESISTOR | 6.8MΩ 1/2W K | |
| ⚠R9202 | QRF154K-1R0 | UNF WW RESISTOR | 1Ω 15W K | |
| R9204 | QRE121J-124Y | C RESISTOR | 120kΩ 1/2W J | |
| R9205 | QRE121J-124Y | C RESISTOR | 120kΩ 1/2W J | |
| R9282 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9283 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9284 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9285 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R9286 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R9287 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R9288 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R9289 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9290 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9291 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9292 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9301 | NRS12BJ-122W | MG RESISTOR | 1.2kΩ 1/2W J | |
| R9501 | QRL039J-104 | OMF RESISTOR | 100kΩ 3W J | |
| R9502 | QRL039J-333 | OMF RESISTOR | 33kΩ 3W J | |
| R9503 | QRE121J-394Y | C RESISTOR | 390kΩ 1/2W J | |
| R9504 | QRE121J-394Y | C RESISTOR | 390kΩ 1/2W J | |
| R9505 | QRL039J-220 | OMF RESISTOR | 22Ω 3W J | |
| ⚠R9506 | QRZ9017-120 | FUSI RESISTOR | 12Ω 1/4W J | |
| R9507 | NRS12BJ-100W | MG RESISTOR | 10Ω 1/2W J | |
| R9508 | NRS12BJ-122W | MG RESISTOR | 1.2kΩ 1/2W J | |
| R9510 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R9511 | QRK126J-101X | UNF C RESISTOR | 100Ω 1/2W J | |
| R9512 | QRX01GJ-R39 | MF RESISTOR | 0.39Ω 1W J | |
| R9514 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| ⚠R9515 | QRZ9009-4R7 | FUSI RESISTOR | 4.7Ω 1/2W J | |
| R9516 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R9563 | QRT039J-R47 | MF RESISTOR | 0.47Ω 3W J | |
| R9566 | QRT039J-R47 | MF RESISTOR | 0.47Ω 3W J | |
| R9567 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9601 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R9602 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R9605 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | |
| R9606 | NRSA63D-123X | MG RESISTOR | 12kΩ 1/16W D | |
| R9607 | NRSA63D-272X | MG RESISTOR | 2.7kΩ 1/16W D | |
| R9701 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9721 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R9722 | NRSA63D-222X | MG RESISTOR | 2.2kΩ 1/16W D | |
| R9723 | NRSA63D-562X | MG RESISTOR | 5.6kΩ 1/16W D | |
| R9741 | NRSA63D-333X | MG RESISTOR | 33kΩ 1/16W D | |
| R9742 | NRSA63D-302X | MG RESISTOR | 3kΩ 1/16W D | |
| R9743 | NRSA63D-103X | MG RESISTOR | 10kΩ 1/16W D | |
| R9744 | NRSA63D-153X | MG RESISTOR | 15kΩ 1/16W D | |
| R9821 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R9822 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| R9823 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9831 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9832 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| R9833 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9834 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R9851 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9852 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9853 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R9854 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R9855 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9861 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R9862 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9863 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | |
| R9864 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| R9865 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9866 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9873 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9877 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9878 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9898 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9899 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| L9551 | QQL26AM-3R3Z | CHOKE COIL | 3.3uH M | |
| L9552 | QQL26AM-3R3Z | CHOKE COIL | 3.3uH M | |
| L9741 | QQR1401-001 | CHOKE COIL | | |
| ⚠T9101 | QQT0520-001 | POWER TRANSF | | |
| ⚠T9501 | QQS0352-001 | SW TRANSF | | |
| ⚠CP9211 | QMFZ043-5R0Z-J1 | FUSE | 5A AC250V | |
| ⚠CP9555 | ICP-N50-T | IC PROTECTOR | 2.0A | |
| ⚠CP9556 | ICP-N70-T | IC PROTECTOR | 2.5A | |
| ⚠CP9557 | ICP-N70-T | IC PROTECTOR | 2.5A | |
| ⚠F9001 | QMF5AD2-6R3-J1 | FUSE | 6.3A AC250V | |
| K9501 | QQR1139-001 | FERRITE BEADS | | |
| K9502 | QQR0621-002Z | FERRITE BEADS | | |
| K9551 | QQR0621-002Z | FERRITE BEADS | | |
| K9552 | QQR0621-002Z | FERRITE BEADS | | |
| ⚠LF9001 | QQR1542-001 | LINE FILTER | | |
| ⚠LF9002 | QQR1466-001 | LINE FILTER | | |
| ⚠LF9003 | QQR1467-001 | LINE FILTER | | |
| ⚠PC9501 | PS2581AL1/QW/ | PHOTO COUPLER | | |
| ⚠RY9021 | QSK0162-001 | RELAY | | |
| ⚠VA9001 | QAF0060-621 | VARISTOR | 620V | |

## DIGITAL P.W. BOARD ASS'Y (SRA0D024A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC6001 | JCC5060 | IC | | |
| IC6002 | SN74LVC1G08V-X | IC | | |
| IC6101 | EDD1232AAFA-6B | IC | | |
| IC6102 | LP2996MR-X | IC | | |
| IC6250 | UPC5702GS-027-X | IC | | |
| IC6251 | R1170H331B-X | IC | | |
| IC6401 | ISL98001CQZ-140 | IC | | |
| IC6402 | R1170H331B-X | IC | | |
| IC6502 | THC63LVDM83C-W | IC | | |
| IC6724 | S-80928CLNB-G-W | IC | | |
| IC7033 | CD74HC4094PW-X | IC | | |
| IC7201 | 39VF800A7IEKDB3 | IC(MICRO C ROM) | | |
| IC7203 | HY57V161610ETP7 | IC | | |
| IC7204 | S-80928CLNB-G-W | IC | | |
| IC7205 | SN74LV00APW-X | IC | | |
| IC7206 | 74LVC1G17GW-X | IC | | |
| IC7601 | M306V7MG-153FP | IC(MCU) | | |
| IC7602 | ATF16-52G587 | IC | (SERVICE) | |
| IC7604 | SN74LVC1G04V-X | IC | | |
| IC7605 | MM1673XN-X | IC | | |
| IC7606 | MM1673XN-X | IC | | |
| IC9001 | MP2263DN-C053-X | IC | | |
| IC9101 | MM1662FT-X | IC | | |
| IC9201 | MP2263DN-C053-X | IC | | |
| IC9301 | MM1701CH-X | IC | | |
| Q6201 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q6202 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q6203 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q6204 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q6205 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q6206 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q6211 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6212 | 2SC3837K/NP/-X | TRANSISTOR | | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| Q6213 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6214 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6250 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q6251 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q7032 | RT1P441C-X | DIGI TRANSISTOR | | |
| Q7033 | RT1P441C-X | DIGI TRANSISTOR | | |
| Q7034 | RT1P441C-X | DIGI TRANSISTOR | | |
| Q7201 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q7501 | RT1N441C-X | TRANSISTOR | | |
| Q9501 | RT1N441C-X | TRANSISTOR | | |
| Q9502 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9503 | 2SC3928A/QR/-X | TRANSISTOR | | |
| D7201 | RB501V-40-X | SB DIODE | | |
| D7502 | 1SS355W-X | DIODE | | |
| D9001 | EC30HA03L-X | SB DIODE | | |
| D9002 | EC30HA03L-X | SB DIODE | | |
| D9003 | PTZ3.9B-X | Z DIODE | | |
| D9201 | EC30HA03L-X | SB DIODE | | |
| D9202 | EC30HA03L-X | SB DIODE | | |
| D9203 | PTZ3.9B-X | Z DIODE | | |
| D9204 | 1SS355W-X | DIODE | | |
| D9501 | 1SS355W-X | DIODE | | |
| D9502 | 1SS355W-X | DIODE | | |
| C6002 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6101 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6103 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6107 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6109 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6111 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6112 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6113 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6114 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6116 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6117 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6118 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6119 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6121 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6122 | NEHL0JM-107X | E CAPACITOR | 100uF 6.3V M | |
| C6123 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6124 | NEHL0JM-107X | E CAPACITOR | 100uF 6.3V M | |
| C6125 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6126 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6128 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6130 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6132 | NEHL1EM-226X | E CAPACITOR | 22uF 25V M | |
| C6133 | NCB31CK-154X | C CAPACITOR | 0.15uF 16V K | |
| C6134 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6135 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6139 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6217 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6218 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6236 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6237 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6238 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6239 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6241 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6242 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6243 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6244 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6245 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6246 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6247 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6248 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6249 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6250 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6251 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6252 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6253 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6254 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6255 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6260 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C6261 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C6262 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C6263 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C6268 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6270 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6271 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6272 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6273 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6274 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6276 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6277 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6278 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6279 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6280 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6282 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6283 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6284 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6285 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6286 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6288 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6289 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6290 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6291 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6293 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6294 | NBZ0007-107X | SP E CAPACITOR | 100uF 4V M | |
| C6295 | NBZ0007-107X | SP E CAPACITOR | 100uF 4V M | |
| C6296 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6297 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6298 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C6402 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6403 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6406 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6409 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6410 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6411 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6412 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6413 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6414 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6415 | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K | |
| C6416 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6417 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6418 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6419 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6420 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6422 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6423 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6424 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6425 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6428 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6429 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6430 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6431 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6432 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6433 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6434 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6435 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6436 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6437 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6438 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6439 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6440 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6441 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6520 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6521 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6522 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6523 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6524 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6525 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6571 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C6573 | NCB21CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6601 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6602 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6603 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6610 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6611 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6612 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6613 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6614 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6615 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6616 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6617 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6618 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6619 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6620 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6621 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6622 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6623 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6624 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6625 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6626 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6627 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6628 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6629 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6630 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6631 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6632 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6633 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6634 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6635 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6636 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6637 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6638 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6639 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6640 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6641 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6642 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6643 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C6644 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6645 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6654 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6656 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6657 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6658 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6659 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6660 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6661 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6669 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C6670 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C6677 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6678 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6679 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6680 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6681 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6682 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6683 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6684 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6685 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6686 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6687 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6688 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6689 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6690 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6691 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6692 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6693 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6694 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6695 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6696 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6697 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6698 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6699 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6701 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z | |
| C6723 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K | |
| C6724 | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K | |
| C6901 | NBZ0007-107X | SP E CAPACITOR | 100uF 4V M | |
| C6902 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6903 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6904 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6905 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6906 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6907 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6908 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6909 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6910 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6911 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6912 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6913 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6914 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6915 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6916 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6917 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6918 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6919 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6921 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6922 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6923 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6924 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6925 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6926 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6927 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6928 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7034 | NCB31CK-153X | C CAPACITOR | 0.015uF 16V K | |
| C7039 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C7044 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7051 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7052 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7053 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7054 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7055 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7056 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7057 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7058 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7059 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7060 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7061 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7062 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7063 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7064 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7065 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7066 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7067 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7068 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7202 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7203 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7204 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7205 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7206 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C7207 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7208 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7209 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7211 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C7212 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7213 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7214 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C7215 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J | |
| C7216 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7501 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7504 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C7505 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C7506 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C7507 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C7508 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C7510 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C7514 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C7515 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C7516 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C7517 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C7601 | NCB11CK-105X | C CAPACITOR | 1uF 16V K | |
| C7602 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7603 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7604 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C7605 | NCB31HK-221X | C CAPACITOR | 220pF 50V K | |
| C7606 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C7607 | NCB31HK-681X | C CAPACITOR | 680pF 50V K | |
| C7608 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7609 | NCB31HK-681X | C CAPACITOR | 680pF 50V K | |
| C7610 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C7611 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J | |
| C7612 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C7615 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7616 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7618 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z | |
| C7619 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C7620 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z | |
| C7621 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C7631 | NCB31AK-224X | C CAPACITOR | 0.22uF 10V K | |
| C7632 | NCB31AK-224X | C CAPACITOR | 0.22uF 10V K | |
| C7633 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J | |
| C9001 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C9002 | NCJ41EK-106X-U | C CAPACITOR | 10mF 25V K | |
| C9003 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C9004 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9005 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9006 | NDC31HJ-120X | C CAPACITOR | 12pF 50V J | |
| C9007 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9010 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9101 | NCB11CK-475X | C CAPACITOR | 4.7uF 16V K | |
| C9103 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K | |
| C9201 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C9202 | NCJ41EK-106X-U | C CAPACITOR | 10mF 25V K | |
| C9204 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9205 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9206 | NDC31HJ-120X | C CAPACITOR | 12pF 50V J | |
| C9207 | NCB31HK-153X | C CAPACITOR | 0.015uF 50V K | |
| C9208 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9211 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K | |
| C9301 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9302 | NCB11CK-475X | C CAPACITOR | 4.7uF 16V K | |
| C9303 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9304 | NCB11CK-475X | C CAPACITOR | 4.7uF 16V K | |
| C9306 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| C9313 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9314 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9501 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C9502 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| | | | | |
| R6002 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6003 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6006 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6008 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6009 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6014 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6017 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6018 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6019 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6020 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6073 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6074 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6075 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6080 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6101 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6102 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6103 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6104 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6105 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6106 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6107 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R6108 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R6109 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6110 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6111 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6112 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6113 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6114 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6115 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6116 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6117 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6118 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6119 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6120 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6121 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6122 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6127 | NRSA63J-1R5X | MG RESISTOR | 1.5Ω 1/16W J | |
| R6141 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6142 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6201 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6202 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6203 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6204 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6207 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6209 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6214 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6215 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6216 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6217 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6230 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6231 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6232 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6233 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6235 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6236 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6238 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6239 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6241 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6242 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6244 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6245 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6248 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6249 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R6251 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6252 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6253 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R6254 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R6255 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R6256 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6257 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R6258 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R6259 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R6260 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6261 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R6262 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R6263 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R6264 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6265 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6266 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R6267 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R6268 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| R6269 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| R6270 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| R6271 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| R6273 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6274 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6275 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6276 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6279 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6280 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6281 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6282 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6283 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6284 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6285 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6286 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6287 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6288 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6289 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6291 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6292 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6294 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6295 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6296 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6297 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6298 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6299 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6332 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6333 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6401 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6402 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6403 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R6404 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6405 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6408 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6409 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6410 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R6411 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R6412 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6414 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6415 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6416 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6417 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6419 | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J | |
| R6421 | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J | |
| R6423 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6424 | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J | |
| R6425 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6426 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6427 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6428 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6503 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6521 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6522 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6523 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6524 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6525 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6530 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6569 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6571 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6572 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6573 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6575 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6576 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6597 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R6602 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6607 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6609 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6611 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6707 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6712 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6713 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6730 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6731 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6732 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6733 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6921 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6922 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6923 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6924 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7031 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7032 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R7033 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7034 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7040 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R7047 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7049 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7051 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7052 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7054 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7055 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7056 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7057 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7059 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7061 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7062 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7063 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7064 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7065 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7066 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R7067 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R7068 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7069 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7070 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7071 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7081 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7084 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R7085 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R7086 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7087 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7089 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7090 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7091 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7092 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7093 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7094 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7095 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7097 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7098 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7099 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7100 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R7103 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7106 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7107 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7109 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7112 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7113 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7123 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7124 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7125 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7127 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7157 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7170 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7171 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7172 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7173 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7174 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7184 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7187 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7192 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7201 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7202 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7203 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7207 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7208 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7211 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7214 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7215 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7217 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7221 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7223 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7224 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7225 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7229 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7230 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R7231 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R7232 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R7234 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R7235 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7237 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R7239 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7240 | NQR0199-003X | FERRITE BEADS | | |
| R7241 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7349 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7350 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7351 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7504 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R7505 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7512 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7513 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7514 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7515 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7601 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7602 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7603 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7604 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7605 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R7606 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R7607 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R7608 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R7609 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7610 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7611 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7612 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R7613 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7614 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7615 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7616 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7618 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7619 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7620 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7621 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7622 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7623 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7624 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7625 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7626 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7627 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7628 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R7631 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R7632 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R7634 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R7635 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R7643 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7646 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7649 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7658 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7659 | NRSA63J-560X | MG RESISTOR | 56Ω 1/16W J | |
| R8796 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R8797 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R8798 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R8799 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9001 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9002 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9003 | NRSA63D-273X | MG RESISTOR | 27kΩ 1/16W D | |
| R9004 | NRSA63J-684X | MG RESISTOR | 680kΩ 1/16W J | |
| R9005 | NRSA63D-103X | MG RESISTOR | 10kΩ 1/16W D | |
| R9006 | NRSA63J-512X | MG RESISTOR | 5.1kΩ 1/16W J | |
| R9007 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9008 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9201 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9202 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9203 | NRSA63D-302X | MG RESISTOR | 3kΩ 1/16W D | |
| R9205 | NRSA63D-103X | MG RESISTOR | 10kΩ 1/16W D | |
| R9206 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R9207 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9209 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9302 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9306 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9308 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9501 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9502 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9503 | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J | |
| R9504 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9505 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9506 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9507 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9508 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9509 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9510 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| RA6001 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6002 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6007 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6008 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6009 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6010 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6011 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6101 | NRZ0040-220X | NET RESISTOR | 22Ω 1/16W J x4 | |
| RA6102 | NRZ0080-220X | NET RESISTOR | 22Ω 1/16W J | |
| RA6103 | NRZ0040-220X | NET RESISTOR | 22Ω 1/16W J x4 | |
| RA6104 | NRZ0040-220X | NET RESISTOR | 22Ω 1/16W J x4 | |
| RA6105 | NRZ0080-220X | NET RESISTOR | 22Ω 1/16W J | |
| RA6106 | NRZ0040-220X | NET RESISTOR | 22Ω 1/16W J x4 | |
| RA6107 | NRZ0080-220X | NET RESISTOR | 22Ω 1/16W J | |
| RA6108 | NRZ0080-220X | NET RESISTOR | 22Ω 1/16W J | |
| RA6109 | NRZ0040-470X | NET RESISTOR | 47Ω 1/16W J x4 | |
| RA6110 | NRZ0080-470X | NET RESISTOR | 47Ω 1/16W J | |
| RA6111 | NRZ0040-470X | NET RESISTOR | 47Ω 1/16W J x4 | |
| RA6112 | NRZ0040-470X | NET RESISTOR | 47Ω 1/16W J x4 | |
| RA6113 | NRZ0080-470X | NET RESISTOR | 47Ω 1/16W J | |
| RA6114 | NRZ0040-470X | NET RESISTOR | 47Ω 1/16W J x4 | |
| RA6115 | NRZ0080-470X | NET RESISTOR | 47Ω 1/16W J | |
| RA6116 | NRZ0080-470X | NET RESISTOR | 47Ω 1/16W J | |
| RA6401 | NRZ0080-330X | NET RESISTOR | 33Ω 1/16W J | |
| RA6402 | NRZ0080-330X | NET RESISTOR | 33Ω 1/16W J | |
| RA6403 | NRZ0080-330X | NET RESISTOR | 33Ω 1/16W J | |
| RA6533 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6534 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6541 | NRZ0033-0R0W | NET RESISTOR | 0Ω | |
| RA6542 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6543 | NRZ0033-0R0W | NET RESISTOR | 0Ω | |
| RA6544 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6545 | NRZ0033-0R0W | NET RESISTOR | 0Ω | |
| RA6546 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA7202 | NRZ0080-473X | NET RESISTOR | 47kΩ | |
| RA7203 | NRZ0080-473X | NET RESISTOR | 47kΩ | |
| RA7204 | NRZ0080-473X | NET RESISTOR | 47kΩ | |
| RA7205 | NRZ0080-473X | NET RESISTOR | 47kΩ | |
| RA7503 | NQR0271-001X | EMI FILTER | | |
| RA7601 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA7602 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA7603 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA7605 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA7606 | NRZ0034-101W | NET RESISTOR | 100Ω 1/32W J x4 | |
| | | | | |
| L6101 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| L6102 | NQL79GM-220X | COIL | 22uH M | |
| L6103 | NQL79GM-220X | COIL | 22uH M | |
| L6115 | NQR0499-001X | FERRITE BEADS | | |
| L6254 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| L6265 | NQR0499-001X | FERRITE BEADS | | |
| L6266 | NQR0499-001X | FERRITE BEADS | | |
| L6402 | NQL79GM-100X | COIL | 10uH M | |
| L6403 | NQL79GM-100X | COIL | 10uH M | |
| L6404 | NQL79GM-100X | COIL | 10uH M | |
| L6521 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| L6522 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| L6523 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| L6531 | NQR0199-007X | FERRITE BEADS | | |
| L6701 | NQR0413-003X | FERRITE BEADS | | |
| L6911 | NQR0499-001X | FERRITE BEADS | | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| L6912 | NQR0499-001X | FERRITE BEADS | | |
| L6922 | NQL79GM-220X | COIL | 22uH M | |
| L6923 | NQL79GM-220X | COIL | 22uH M | |
| L6924 | NQL79GM-220X | COIL | 22uH M | |
| L6925 | NQL79GM-220X | COIL | 22uH M | |
| L6931 | NQR0499-001X | FERRITE BEADS | | |
| L7501 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| L7502 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| L9001 | NQLC8CM-150X | COIL | 15uH M | |
| L9201 | NQLC8CM-150X | COIL | 15uH M | |
| CLIP1 | NNZ0155-001X | SHIELD CLIP | | |
| CLIP2 | NNZ0155-001X | SHIELD CLIP | | |
| CN011 | QGF0508F4-50X | CONNECTOR | FFC/FPC (1-50) | |
| CN012 | QGF0508F4-40X | CONNECTOR | FFC/FPC (1-40) | |
| J8501 | NNZ0117-001 | CONNECTOR | DIGITAL-IN | |
| K6250 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K6261 | NQR0489-002X | FERRITE BEADS | | |
| K6263 | NQR0489-002X | FERRITE BEADS | | |
| K6264 | NQR0489-002X | FERRITE BEADS | | |
| K6265 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K6266 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K6267 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K6268 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K6272 | NQR0499-001X | FERRITE BEADS | | |
| K6401 | NQR0499-001X | FERRITE BEADS | | |
| K6402 | NQR0499-001X | FERRITE BEADS | | |
| K6403 | NQR0499-001X | FERRITE BEADS | | |
| K6404 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K6405 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K6921 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7028 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| K7032 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7033 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7034 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7201 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7202 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| K7501 | NQR0413-002X | FERRITE BEADS | | |
| K7504 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| K7601 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| LC7505 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| LC9303 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| LC9305 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| LC9307 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| X6250 | NAX0580-001X | CXO | 27.0000MHz | |
| X7001 | NAX0669-001X | C RESONATOR | 6.000MHz | |
| X7601 | NAX0613-001X | C RESONATOR | 16.000MHz | |

## SIDE CONTROL P.W. BOARD ASS'Y (SRA0L011A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| D0843 | UDZW10B-X | Z DIODE | | |
| D0844 | UDZW10B-X | Z DIODE | | |
| D0845 | UDZW10B-X | Z DIODE | | |
| D0846 | UDZW10B-X | Z DIODE | | |
| C0841 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C0842 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C0843 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C0844 | NCB21CK-105X | C CAPACITOR | 1uF 16V K | |
| C0845 | NCB21CK-105X | C CAPACITOR | 1uF 16V K | |
| R0842 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R0843 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R0844 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R0845 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R0846 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R0847 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R0849 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R0851 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R0852 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| R0853 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R0854 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| J0841 | QNN0787-001 | PIN JACK | INPUT-4(S/V/L/R) | |
| S0851 | QSW0619-003Z | PUSH SWITCH | VOL+ | |
| S0852 | QSW0619-003Z | PUSH SWITCH | VOL- | |
| S0853 | QSW0619-003Z | PUSH SWITCH | MENU | |
| S0854 | QSW0619-003Z | PUSH SWITCH | CH+ | |
| S0855 | QSW0619-003Z | PUSH SWITCH | CH- | |
| S0856 | QSW0619-003Z | PUSH SWITCH | INPUT | |

## FRONT LED P.W. BOARD ASS'Y (SRA0L111A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| Q0701 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q0702 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q0704 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q0705 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q0706 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q0707 | 2SC3928A/QR/-X | TRANSISTOR | | |
| D0701 | SELU5E20C/EF/-T | LED | POWER | |
| D0703 | MA8068-X | Z DIODE | | |
| D0704 | MA8068-X | Z DIODE | | |
| D0705 | LE22440 | LED | LAMP | |
| D0706 | MA8068-X | Z DIODE | | |
| D0707 | MA8068-X | Z DIODE | | |
| C0701 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C0702 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C0703 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C0704 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C0705 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C0706 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| R0706 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R0707 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R0708 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R0709 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R0710 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R0711 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R0712 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R0713 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R0714 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R0715 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R0716 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| S0701 | QSW0619-003Z | PUSH SWITCH | POWER | |

## LAMP COVER P.W. BOARD ASS'Y (SRA0L211A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C0861 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| CN08G3 | QUB130-32EMZ4-E | SIN TWIST WIRE | | |
| S0861 | QSW1064-001 | DETECT SWITCH | LAMP COVER SW | |

# PRINTED WIRING BOARD PARTS LIST [HD-61G587]

## ANALOG P.W. BOARD ASS'Y (SRA-1013A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

## DRIVE P.W. BOARD ASS'Y (SRA-3005A-M2)

REFER TO PARTS LIST IN PAGE 3-19 FOR THIS P.W. BOARD.

## REMOCON P.W. BOARD ASS'Y (SRA-8011A-M2)

REFER TO PARTS LIST IN PAGE 3-24 FOR THIS P.W. BOARD.

## TEMP P.W. BOARD ASS'Y (SRA-8202A-M2)

REFER TO PARTS LIST IN PAGE 3-24 FOR THIS P.W. BOARD.

## FAN P.W. BOARD ASS'Y (SRA-8401A-M2)

REFER TO PARTS LIST IN PAGE 3-24 FOR THIS P.W. BOARD.

## POWER P.W. BOARD ASS'Y (SRA-9012A-M2)

REFER TO PARTS LIST IN PAGE 3-24 FOR THIS P.W. BOARD.

## DIGITAL P.W. BOARD ASS'Y (SRA0D023A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC6001 | JCC5060 | IC | | |
| IC6002 | SN74LVC1G08V-X | IC | | |
| IC6101 | EDD1232AAFA-6B | IC | | |
| IC6102 | LP2996MR-X | IC | | |
| IC6250 | UPC5702GS-027-X | IC | | |
| IC6251 | R1170H331B-X | IC | | |
| IC6401 | ISL98001CQZ-140 | IC | | |
| IC6402 | R1170H331B-X | IC | | |
| IC6502 | THC63LVDM83C-W | IC | | |
| IC6724 | S-80928CLNB-G-W | IC | | |
| IC7033 | CD74HC4094PW-X | IC | | |
| IC7201 | 39VF800A7IEKDB2 | IC(MICRO C ROM) | | |
| IC7203 | HY57V161610ETP7 | IC | | |
| IC7204 | S-80928CLNB-G-W | IC | | |
| IC7205 | SN74LV00APW-X | IC | | |
| IC7206 | 74LVC1G17GW-X | IC | | |
| IC7601 | M306V7MG-153FP | IC(MCU) | | |
| IC7602 | ATF16-52G587 | IC | (SERVICE) | |
| IC7604 | SN74LVC1G04V-X | IC | | |
| IC7605 | MM1673XN-X | IC | | |
| IC7606 | MM1673XN-X | IC | | |
| IC9001 | MP2263DN-C053-X | IC | | |
| IC9101 | MM1662FT-X | IC | | |
| IC9201 | MP2263DN-C053-X | IC | | |
| IC9301 | MM1701CH-X | IC | | |
| Q6201 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q6202 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q6203 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q6204 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q6205 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q6206 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q6211 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6212 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6213 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6214 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6250 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q6251 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q7032 | RT1P441C-X | DIGI TRANSISTOR | | |
| Q7033 | RT1P441C-X | DIGI TRANSISTOR | | |
| Q7034 | RT1P441C-X | DIGI TRANSISTOR | | |
| Q7035 | RT1P441C-X | DIGI TRANSISTOR | | |
| Q7201 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q7501 | RT1N441C-X | TRANSISTOR | | |
| Q9501 | RT1N441C-X | TRANSISTOR | | |
| Q9502 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9503 | 2SC3928A/QR/-X | TRANSISTOR | | |
| D7201 | RB501V-40-X | SB DIODE | | |
| D7502 | 1SS355W-X | DIODE | | |
| D9001 | EC30HA03L-X | SB DIODE | | |
| D9002 | EC30HA03L-X | SB DIODE | | |
| D9003 | PTZ3.9B-X | Z DIODE | | |
| D9201 | EC30HA03L-X | SB DIODE | | |
| D9202 | EC30HA03L-X | SB DIODE | | |
| D9203 | PTZ3.9B-X | Z DIODE | | |
| D9204 | 1SS355W-X | DIODE | | |
| D9501 | 1SS355W-X | DIODE | | |
| D9502 | 1SS355W-X | DIODE | | |
| C6002 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6101 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6103 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6107 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6109 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6111 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6112 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6113 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6114 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6116 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6117 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6118 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6119 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6121 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6122 | NEHL0JM-107X | E CAPACITOR | 100uF 6.3V M | |
| C6123 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6124 | NEHL0JM-107X | E CAPACITOR | 100uF 6.3V M | |
| C6125 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6126 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6128 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6130 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6132 | NEHL1EM-226X | E CAPACITOR | 22uF 25V M | |
| C6133 | NCB31CK-154X | C CAPACITOR | 0.15uF 16V K | |
| C6134 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6135 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6139 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6217 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6218 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6236 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6237 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6238 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6239 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6241 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6242 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6243 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6244 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6245 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6246 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6247 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6248 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6249 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6250 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6251 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6252 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6253 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6254 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6255 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6260 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C6261 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C6262 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C6263 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C6268 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6270 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6271 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6272 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6273 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6274 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6276 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6277 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6278 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6279 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6280 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6282 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6283 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6284 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6285 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6286 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6288 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6289 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6290 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6291 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6293 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6294 | NBZ0007-107X | SP E CAPACITOR | 100uF 4V M | |
| C6295 | NBZ0007-107X | SP E CAPACITOR | 100uF 4V M | |
| C6296 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6297 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6298 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C6402 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6403 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6406 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6409 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6410 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6411 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6412 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6413 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6414 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6415 | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C6416 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6417 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6418 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6419 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6420 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6422 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6423 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6424 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6425 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6428 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6429 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6430 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6431 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6432 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6433 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6434 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6435 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6436 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6437 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6438 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6439 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6440 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6441 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6520 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6521 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6522 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6523 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6524 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6525 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6571 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C6573 | NCB21CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6601 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6602 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6603 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6610 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6611 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6612 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6613 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6614 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6615 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6616 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6617 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6618 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6619 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6620 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6621 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6622 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6623 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6624 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6625 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6626 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6627 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6628 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6629 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6630 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6631 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6632 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6633 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6634 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6635 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6636 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6637 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6638 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6639 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6640 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6641 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6642 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6643 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6644 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6645 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6654 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6656 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6657 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6658 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6659 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6660 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6661 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6669 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C6670 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C6677 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6678 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6679 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6680 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6681 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6682 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6683 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6684 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6685 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6686 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6687 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6688 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6689 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6690 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6691 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6692 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6693 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6694 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6695 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6696 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6697 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6698 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6699 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6701 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z | |
| C6723 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K | |
| C6724 | NCB31CK-103X | C CAPACITOR | 0.01uF 16V K | |
| C6901 | NBZ0007-107X | SP E CAPACITOR | 100uF 4V M | |
| C6902 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6903 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6904 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6905 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6906 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6907 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6908 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6909 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6910 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6911 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6912 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6913 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6914 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6915 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6916 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6917 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6918 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6919 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6921 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6922 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6923 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6924 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6925 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6926 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6927 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6928 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7034 | NCB31CK-153X | C CAPACITOR | 0.015uF 16V K | |
| C7039 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C7044 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7051 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7052 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7053 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7054 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7055 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7056 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7057 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7058 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7059 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7060 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7061 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7062 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7063 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7064 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7065 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7066 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7067 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7068 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7202 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7203 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7204 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7205 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7206 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7207 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7208 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7209 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7211 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C7212 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7213 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7214 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C7215 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J | |
| C7216 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7501 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7504 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C7505 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C7506 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C7507 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C7508 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C7510 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C7514 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C7515 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C7516 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C7517 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C7601 | NCB11CK-105X | C CAPACITOR | 1uF 16V K | |
| C7602 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C7603 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7604 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C7605 | NCB31HK-221X | C CAPACITOR | 220pF 50V K | |
| C7606 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C7607 | NCB31HK-681X | C CAPACITOR | 680pF 50V K | |
| C7608 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7609 | NCB31HK-681X | C CAPACITOR | 680pF 50V K | |
| C7610 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C7611 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J | |
| C7612 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C7615 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7616 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7618 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z | |
| C7619 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C7620 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z | |
| C7621 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C7631 | NCB31AK-224X | C CAPACITOR | 0.22uF 10V K | |
| C7632 | NCB31AK-224X | C CAPACITOR | 0.22uF 10V K | |
| C7633 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J | |
| C9001 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C9002 | NCJ41EK-106X-U | C CAPACITOR | 10mF 25V K | |
| C9003 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C9004 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9005 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9006 | NDC31HJ-120X | C CAPACITOR | 12pF 50V J | |
| C9007 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9010 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9101 | NCB11CK-475X | C CAPACITOR | 4.7uF 16V K | |
| C9103 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K | |
| C9201 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C9202 | NCJ41EK-106X-U | C CAPACITOR | 10mF 25V K | |
| C9204 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9205 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9206 | NDC31HJ-120X | C CAPACITOR | 12pF 50V J | |
| C9207 | NCB31HK-153X | C CAPACITOR | 0.015uF 50V K | |
| C9208 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9211 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K | |
| C9301 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9302 | NCB11CK-475X | C CAPACITOR | 4.7uF 16V K | |
| C9303 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9304 | NCB11CK-475X | C CAPACITOR | 4.7uF 16V K | |
| C9306 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| C9313 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9314 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9501 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C9502 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| R6002 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6003 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6006 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6008 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6009 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6014 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6017 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6018 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6019 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6020 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6073 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6074 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6075 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6080 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6101 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6102 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6103 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6104 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6105 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6106 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6107 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R6108 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R6109 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6110 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6111 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6112 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6113 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6114 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6115 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6116 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6117 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6118 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6119 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6120 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6121 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6122 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6127 | NRSA63J-1R5X | MG RESISTOR | 1.5Ω 1/16W J | |
| R6141 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6142 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6201 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6202 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6203 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6204 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6207 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6209 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6214 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6215 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6216 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6217 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6230 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6231 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6232 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6233 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6235 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6236 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6238 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6239 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6241 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6242 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6244 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6245 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6248 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6249 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R6251 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6252 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6253 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R6254 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R6255 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R6256 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6257 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R6258 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R6259 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R6260 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6261 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R6262 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R6263 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R6264 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6265 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6266 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R6267 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R6268 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| R6269 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| R6270 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| R6271 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| R6273 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6274 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6275 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6276 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6279 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6280 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6281 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6282 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6283 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6284 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6285 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6286 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6287 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6288 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6289 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6291 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6292 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6294 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6295 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6296 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6297 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6298 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6299 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6332 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6333 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6401 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6402 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6403 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R6404 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6405 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6408 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6409 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6410 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R6411 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R6412 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6414 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6415 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6416 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6417 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6419 | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J | |
| R6421 | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J | |
| R6423 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6424 | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J | |
| R6425 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6426 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6427 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6428 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6503 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6521 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R6522 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6523 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6524 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6525 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6530 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6569 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6571 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6572 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6573 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6575 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6576 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6597 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R6602 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6607 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6609 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6611 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6707 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6712 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6713 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6730 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6731 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6732 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6733 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6921 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6922 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6923 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6924 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7031 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7032 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R7033 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7034 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7040 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R7047 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7049 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7051 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7052 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7054 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7055 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7056 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7057 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7059 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7061 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7062 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7063 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7064 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7065 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7066 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R7067 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R7068 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7069 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7070 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7071 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7081 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7084 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R7085 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R7086 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7087 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7089 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7090 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7091 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7092 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7093 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7094 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7095 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7097 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7098 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7099 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7100 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7103 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7106 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7107 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7109 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7112 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7113 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7123 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7124 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7125 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7127 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7131 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7157 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7170 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7171 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7172 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7173 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7174 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7184 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7187 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7192 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7201 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7202 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R7203 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7207 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7208 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7211 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7214 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7215 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7217 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7221 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7223 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7224 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7225 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7229 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7230 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R7231 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R7232 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R7234 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R7235 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7237 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R7239 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7240 | NQR0199-003X | FERRITE BEADS | | |
| R7241 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7349 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7350 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7351 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7501 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7502 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7504 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R7505 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7512 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7513 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7514 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7515 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7601 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7602 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7603 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7604 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7605 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R7606 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R7607 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R7608 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R7609 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7610 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7611 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7612 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R7613 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7614 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7615 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7616 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7618 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7619 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7620 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7621 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7622 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7623 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7624 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7625 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7626 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7627 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7628 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R7631 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R7632 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R7634 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R7635 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R7643 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7646 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7649 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7658 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7659 | NRSA63J-560X | MG RESISTOR | 56Ω 1/16W J | |
| R8796 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R8797 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R8798 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R8799 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9001 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9002 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9003 | NRSA63D-273X | MG RESISTOR | 27kΩ 1/16W D | |
| R9004 | NRSA63J-684X | MG RESISTOR | 680kΩ 1/16W J | |
| R9005 | NRSA63D-103X | MG RESISTOR | 10kΩ 1/16W D | |
| R9006 | NRSA63J-512X | MG RESISTOR | 5.1kΩ 1/16W J | |
| R9007 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9008 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9201 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9202 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9203 | NRSA63D-302X | MG RESISTOR | 3kΩ 1/16W D | |
| R9205 | NRSA63D-103X | MG RESISTOR | 10kΩ 1/16W D | |
| R9206 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R9207 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9209 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9302 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9306 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9308 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R9501 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9502 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9503 | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J | |
| R9504 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9505 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9506 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9507 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9508 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9509 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9510 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| RA6001 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6002 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6007 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6008 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6009 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6010 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6011 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6101 | NRZ0040-220X | NET RESISTOR | 22Ω 1/16W J x4 | |
| RA6102 | NRZ0080-220X | NET RESISTOR | 22Ω 1/16W J | |
| RA6103 | NRZ0040-220X | NET RESISTOR | 22Ω 1/16W J x4 | |
| RA6104 | NRZ0040-220X | NET RESISTOR | 22Ω 1/16W J x4 | |
| RA6105 | NRZ0080-220X | NET RESISTOR | 22Ω 1/16W J | |
| RA6106 | NRZ0040-220X | NET RESISTOR | 22Ω 1/16W J x4 | |
| RA6107 | NRZ0080-220X | NET RESISTOR | 22Ω 1/16W J | |
| RA6108 | NRZ0080-220X | NET RESISTOR | 22Ω 1/16W J | |
| RA6109 | NRZ0040-470X | NET RESISTOR | 47Ω 1/16W J x4 | |
| RA6110 | NRZ0080-470X | NET RESISTOR | 47Ω 1/16W J | |
| RA6111 | NRZ0040-470X | NET RESISTOR | 47Ω 1/16W J x4 | |
| RA6112 | NRZ0040-470X | NET RESISTOR | 47Ω 1/16W J x4 | |
| RA6113 | NRZ0080-470X | NET RESISTOR | 47Ω 1/16W J | |
| RA6114 | NRZ0040-470X | NET RESISTOR | 47Ω 1/16W J x4 | |
| RA6115 | NRZ0080-470X | NET RESISTOR | 47Ω 1/16W J | |
| RA6116 | NRZ0080-470X | NET RESISTOR | 47Ω 1/16W J | |
| RA6401 | NRZ0080-330X | NET RESISTOR | 33Ω 1/16W J | |
| RA6402 | NRZ0080-330X | NET RESISTOR | 33Ω 1/16W J | |
| RA6403 | NRZ0080-330X | NET RESISTOR | 33Ω 1/16W J | |
| RA6533 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6534 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6541 | NRZ0033-0R0W | NET RESISTOR | 0Ω | |
| RA6542 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6543 | NRZ0033-0R0W | NET RESISTOR | 0Ω | |
| RA6544 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6545 | NRZ0033-0R0W | NET RESISTOR | 0Ω | |
| RA6546 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA7202 | NRZ0080-473X | NET RESISTOR | 47kΩ | |
| RA7203 | NRZ0080-473X | NET RESISTOR | 47kΩ | |
| RA7204 | NRZ0080-473X | NET RESISTOR | 47kΩ | |
| RA7205 | NRZ0080-473X | NET RESISTOR | 47kΩ | |
| RA7503 | NQR0271-001X | EMI FILTER | | |
| RA7601 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA7602 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA7603 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA7605 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA7606 | NRZ0034-101W | NET RESISTOR | 100Ω 1/32W J x4 | |
| L6101 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| L6102 | NQL79GM-220X | COIL | 22uH M | |
| L6103 | NQL79GM-220X | COIL | 22uH M | |
| L6115 | NQR0499-001X | FERRITE BEADS | | |
| L6254 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| L6265 | NQR0499-001X | FERRITE BEADS | | |
| L6266 | NQR0499-001X | FERRITE BEADS | | |
| L6402 | NQL79GM-100X | COIL | 10uH M | |
| L6403 | NQL79GM-100X | COIL | 10uH M | |
| L6404 | NQL79GM-100X | COIL | 10uH M | |
| L6521 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| L6522 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| L6523 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| L6531 | NQR0199-007X | FERRITE BEADS | | |
| L6701 | NQR0413-003X | FERRITE BEADS | | |
| L6911 | NQR0499-001X | FERRITE BEADS | | |
| L6912 | NQR0499-001X | FERRITE BEADS | | |
| L6922 | NQL79GM-220X | COIL | 22uH M | |
| L6923 | NQL79GM-220X | COIL | 22uH M | |
| L6924 | NQL79GM-220X | COIL | 22uH M | |
| L6925 | NQL79GM-220X | COIL | 22uH M | |
| L6931 | NQR0499-001X | FERRITE BEADS | | |
| L7501 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| L7502 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| L9001 | NQLC8CM-150X | COIL | 15uH M | |
| L9201 | NQLC8CM-150X | COIL | 15uH M | |
| CLIP1 | NNZ0155-001X | SHIELD CLIP | | |
| CLIP2 | NNZ0155-001X | SHIELD CLIP | | |
| CN011 | QGF0508F4-50X | CONNECTOR | FFC/FPC (1-50) | |
| CN012 | QGF0508F4-40X | CONNECTOR | FFC/FPC (1-40) | |
| J8501 | NNZ0117-001 | CONNECTOR | DIGITAL-IN | |
| K6250 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K6261 | NQR0489-002X | FERRITE BEADS | | |
| K6263 | NQR0489-002X | FERRITE BEADS | | |
| K6264 | NQR0489-002X | FERRITE BEADS | | |
| K6265 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K6266 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K6267 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K6268 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K6272 | NQR0499-001X | FERRITE BEADS | | |
| K6401 | NQR0499-001X | FERRITE BEADS | | |
| K6402 | NQR0499-001X | FERRITE BEADS | | |
| K6403 | NQR0499-001X | FERRITE BEADS | | |
| K6404 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K6405 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K6921 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7028 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| K7032 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7033 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7034 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7201 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7202 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| K7501 | NQR0413-002X | FERRITE BEADS | | |
| K7504 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| K7601 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| LC7505 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| LC9303 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| LC9305 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| LC9307 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| X6250 | NAX0580-001X | CXO | 27.0000MHz | |
| X7001 | NAX0669-001X | C RESONATOR | 6.000MHz | |
| X7601 | NAX0613-001X | C RESONATOR | 16.000MHz | |

## SIDE CONTROL P.W. BOARD ASS'Y (SRA0L011A-M2)

REFER TO PARTS LIST IN PAGE 3-30 FOR THIS P.W. BOARD.

## FRONT LED P.W. BOARD ASS'Y (SRA0L111A-M2)

REFER TO PARTS LIST IN PAGE 3-30 FOR THIS P.W. BOARD.

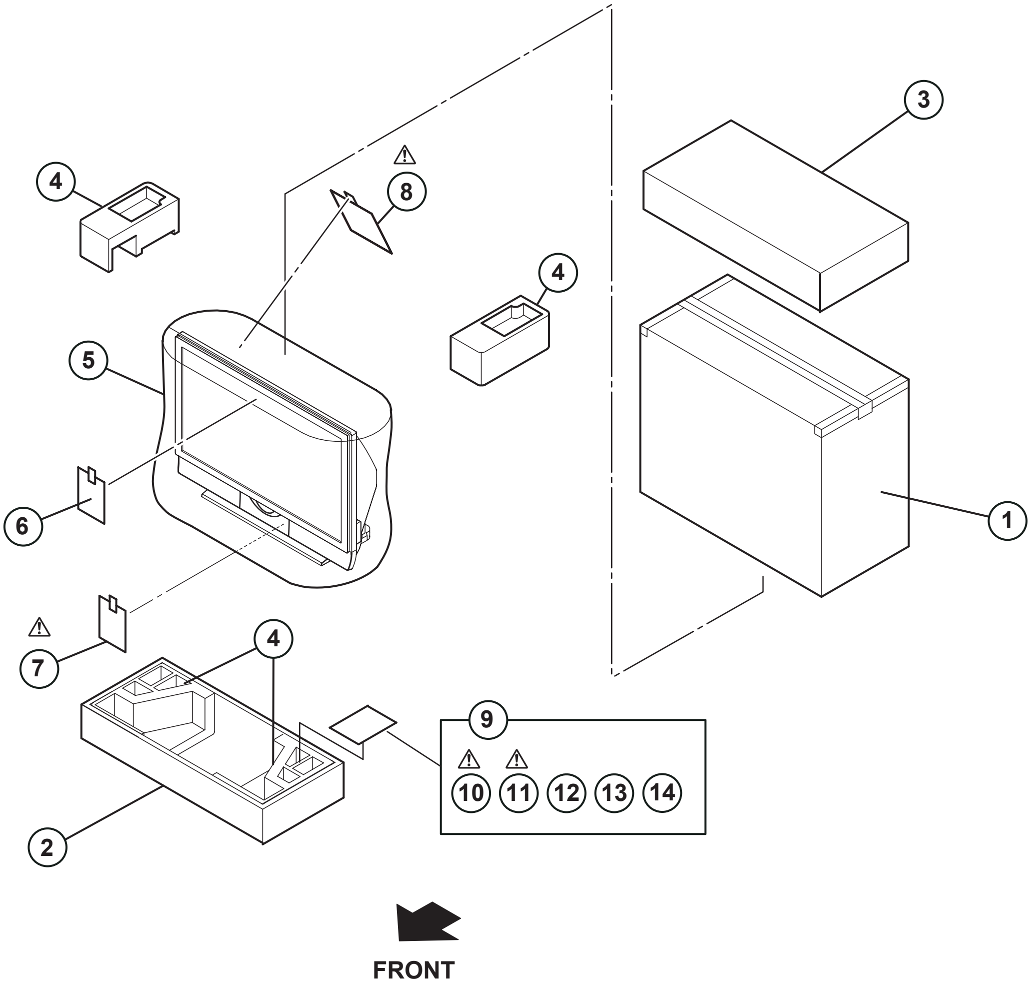
## LAMP COVER P.W. BOARD ASS'Y (SRA0L211A-M2)

REFER TO PARTS LIST IN PAGE 3-30 FOR THIS P.W. BOARD.

# REMOTE CONTROL UNIT PARTS LIST (RM-C1273G-1H)

| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| | | UR77EC0603 | BATTERY COVER | | |

# PACKING



# PACKING PARTS LIST

| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| | 1 | LC12022-006B-A | PACKING CASE | | HD-52G587 |
| | 1 | LC12022-008A-A | PACKING CASE | | HD-61G587 |
| | 2 | LC12023-001B-A | BOTTOM CASE | | HD-52G587 |
| | 2 | LC12023-002B-A | BOTTOM CASE | | HD-61G587 |
| | 3 | LC12031-001B-A | TOP CASE | | HD-52G587 |
| | 3 | LC12031-002B-A | TOP CASE | | HD-61G587 |
| | 4 | LC12429-001B-A | CUSHION ASSY | 4pcs in 1set | HD-52G587 |
| | 4 | LC12615-001A-A | CUSHION ASSY | 4pcs in 1set | HD-61G587 |
| | 5 | LC22040-001A-A | POLY BAG | | |
| | 6 | LCT1910-001A-A | INST SHEET | | HD-52G587 |
| | 6 | LCT1711-001A-A | INST SHEET | | HD-61G587 |
| ⚠ | 7 | LCT1728-001B-A | INST SHEET | | |
| ⚠ | 8 | LCT1721-001A-A | INST SHEET | | |
| | 9 | QPA02503505 | POLY BAG | 25cm x 35cm | |
| ⚠ | 10 | LCT2065-001A-A | INST BOOK | English | |
| ⚠ | 11 | LCT2066-001A-A | INST BOOK | French | |
| | 12 | ------------ | BATTERY | AA TYPE(x2) | |
| | 13 | RM-C1273G-1H | REMOTE CONTROL UNIT | | |
| | 14 | BT-51034-2Q | REGIST. CARD | | |